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ABSTRACT

A full-year's applied mathematics curriculum has been constructed around typical situations students may encounter. The curriculum is divided into seven units, two of which are used at various times throughout the year. The units focus on various mathematical aspects related to: (1) money management; (2) shopping; (3) furnishing a room; (4) banking; (5) purchasing and operating an automobile; (6) taking a vacation; and (7) renting an apartment. Each unit contains its own introduction, its own chronology, objectives and detailed lesson plans for each week, all the original student worksheets that are needed, and tests suitable to unit materials. Lessons are not pre-printed with prices or rates which might become inappropriate or obsolete. Instead, students themselves must obtain this information by investigating the current market. Unlike a standard textbook, this curriculum is different for each student. Within the simulation framework, students have abundant opportunities to learn how and when to apply their knowledge of arithmetic. In addition, basic computation skills are taught and practiced on an individual basis, using the most attractive commercial materials available. An outline of this sequence (in puzzle format), computational skills tests, a list of resource materials, and program description are included in appendices. (JN)

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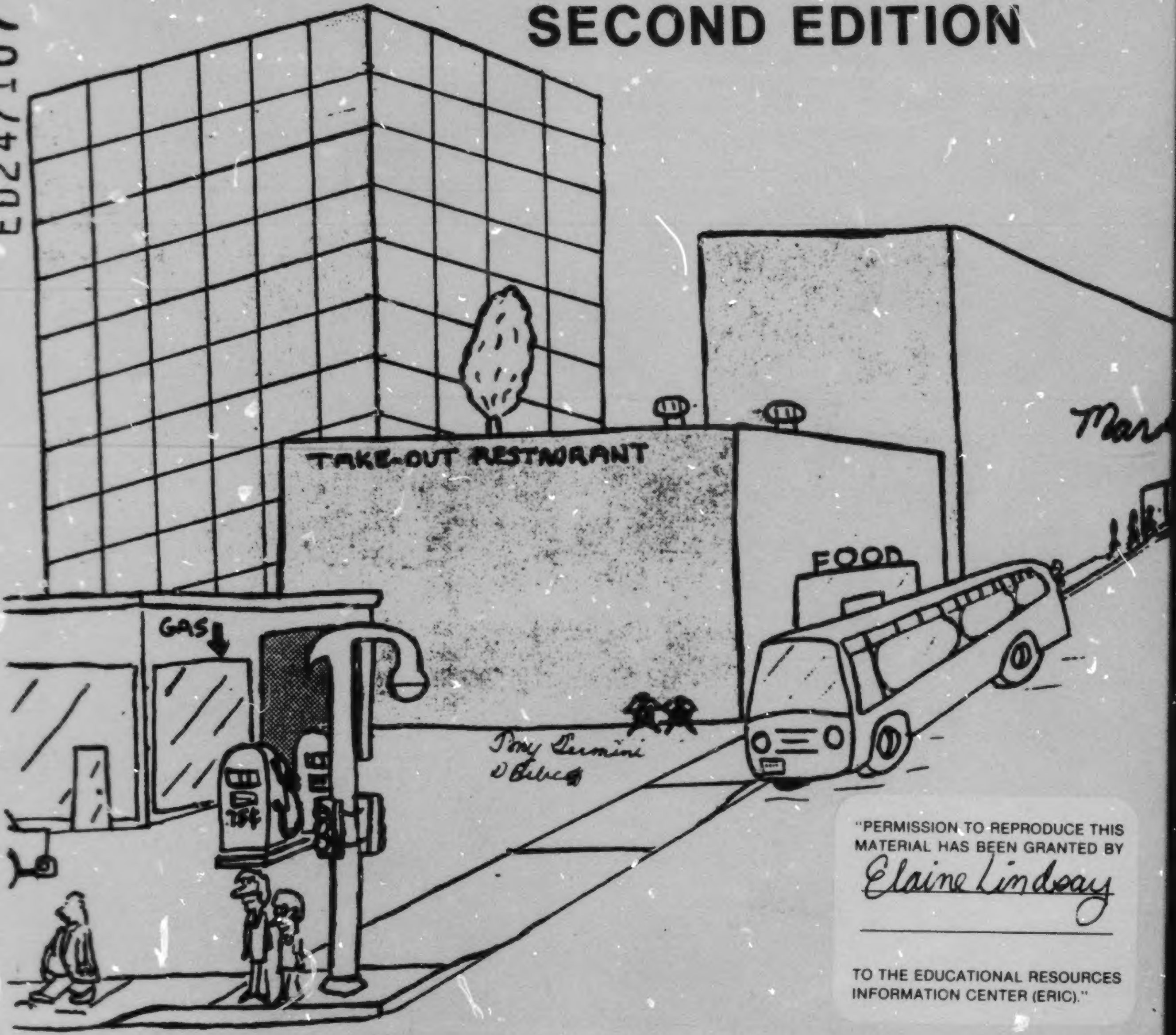
THIS IS YOUR LIFE

SECOND EDITION

ED247107



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AN APPLIED MATHEMATICS CURRICULUM FOR SECONDARY SCHOOLS

A CALIFORNIA STATE DEMONSTRATION PROGRAM

THIS IS YOUR LIFE

A MODERN APPLIED MATHEMATICS CURRICULUM FOR SECONDARY SCHOOLS

LOS ANGELES UNIFIED SCHOOL DISTRICT

PACOIMA JUNIOR HIGH SCHOOL

9919 LAUREL CANYON BLVD. PACOIMA, CA. 91331 (213) 896-5816

A CALIFORNIA STATE MATHEMATICS DEMONSTRATION PROGRAM

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FOREWORD

Imagine that you are eighteen, have just been graduated from high school and have no definite ideas about what to do next with your life . . . . . . You have just stepped into the shoes of a typical teenager who is not college-bound. What is going to happen now? This is the question which inspired the development of *This Is Your Life*, a mathematics curriculum for young adults which tries to be honest, realistic and useful.

Teachers realize that math can be a "four-letter word" when it is not a student's favorite subject. The traditional approach to non-academic math for secondary schools used to focus on remedial instruction and lots of drill. Unfortunatley, this kind of approach to general math can turn it into "terminal math" for many students, killing what little interest they had in the subject. No teacher wants to do this! Instead, *This Is Your Life* involves pupils in everyday situations which naturally include arithmetic applications, breathing lots of life into what they used to regard as a deadly dull subject.

Unlike a standard textbook, *This Is Your Life* is different for each pupil. Attendance record and progress in mastering math skills are the basis for individual "earnings", and personal choices influence the money each student will "spend." Familiar occurrences are the raw materials from which relevant arithmetic problem situations are drawn. However, computational skills are not neglected; *This Is Your Life* is designed to be taught concurrently with an individualized basic skills program.

The overall objective of *This Is Your Life* is to provide an environment where pupils can recognize for themselves the value of mathematics and of education in general. Equally important is the creation of an atmosphere which encourages pupils to believe in their own ability to learn, to make their own choices, and to accept responsibility for creating their own good life.

Elaine Lindsay
Project Director
Editor

ACKNOWLEDGMENTS

Sincere appreciation is due to all the dedicated members of the Pacoima Mathematics Demonstration Project, whose cooperation and support over many years made the writing of this innovative curriculum possible.

This 1983 revision is the work of three authors: Dan Ballard, Carol Drain and Edwin Hoover, who jointly devoted a great deal of time and talent to improving and augmenting the original *This Is Your Life* curriculum. For the detailed and often tedious work that made ultimate publication possible, a special word of thanks is extended to Mr. Hoover, who coordinated the entire project, and to Virginia Conwell, our tireless and talented secretary. Mrs. Conwell not only typed (and re-typed!) this manuscript, she also managed all the details of actual publication.

Grateful acknowledgement is also extended to former Pacoima Staff members whose creative ideas and authorship helped make the first edition of *This Is Your Life* possible: Sue Amelang, Stewart Lampe and Ted Snyder. The understanding and support of the administrative staff at Pacoima Junior High has been truly helpful. Last, but certainly not least, our most sincere gratitude is extended to Dr. Earl Watson, Manager, Demonstration Programs, Exemplary Programs Unit, for his unfailing kindness, encouragement and support.

Elaine Lindsay
Project Director

THIS IS YOUR LIFE - *Teacher Introduction*

This Is Your Life is a curriculum designed to tempt teen-age pupils into learning more about arithmetic, while seeming to teach it less. At the beginning of school, pupils are asked to project themselves only a few short years into the future. What role could be more interesting and rewarding than that of oneself entering the adult world? Students are asked to pretend that they are eighteen and have just been graduated from high school. Most pupils in a general math class have only one definite educational goal in common: to get away from school as far and as fast as possible. So, imagining themselves working and eventually on their own is both realistic and attractive.

A full year's applied mathematics curriculum has been constructed around the typical situations they would encounter: figuring what their paycheck will be (complete with deductions), buying things they want, keeping records of the money they spend, dream shopping in catalogs or ads, furnishing their own rooms, buying a car, planning a vacation, and even moving into an apartment of their own. This curriculum is divided into seven units, two of which are used at various times throughout the whole year. The other five are relatively independent and could be used alone. The timeline which follows this introduction outlines the sequence of lessons for the entire year.

Each unit contains its own introduction, its own chronology, objectives and detailed lesson plans for each week, all the original pupil worksheets that are needed and tests suitable to unit materials. Lessons are not pre-printed with prices or rates which might become inappropriate or obsolete. Instead, pupils themselves must obtain this information by investigating the current market. Unfortunately, this makes it impossible to provide a "teacher's answer key" for many worksheets in *This Is Your Life*.

Within this simulation framework, pupils have abundant opportunities to learn how and when to apply their knowledge of arithmetic. The basic computational skills themselves are taught and practiced on an individual basis, using the most attractive commercial materials available. An outline of this sequence in puzzle format can be found in Appendix A, but *This Is Your Life* can be used concurrently with any type of secondary school basic math skills program. Computation skills tests are also in Appendix A. Two forms of each test provide for pre- and post-testing, if desired. Additional explanations and sample problems in such areas as balancing accounts, check writing, measuring, working with percent, etc. will be necessary; extra practice problems in these areas are provided. Suitable tests are also provided at the end of each chapter. Appendix B contains a list of some appropriate materials necessary or helpful for this course.

A model of the letter used to inform parents and the community about this special class can be found in the first week of "Payday." Other helps for the teacher are in Appendix C, along with a brief description of the Mathematics Demonstration Center where *This Is Your Life* originated.

It is hoped that *This Is Your Life* contains ideas which will help to prove that mathematics can be understandable, profitable, and even enjoyable.

INTRODUCTION TO TESTS

The tests in this booklet are keyed to the seven units in *This Is Your Life*, plus an additional set of tests covering basic computational skills.

No attempt has been made to make these tests uniform in length or difficulty. Tests are designed to be given throughout each unit. They should be given when the majority of the students have mastered the skills to be tested. Beware of the amount of time alloted for each test. Some are relatively simple quizzes requiring approximately 10-15 minutes. Others are specific to *This Is Your Life* units or lessons - Payday, Facelift, Car Purchase, Drugstore Shopping, etc. and require approximately 40-50 minutes. These tests should be helpful in assessing students understanding and assigning course marks.

The tests and their answer keys are at the end of each unit. Many tests take all or part of two pages and should be duplicated on both sides of one sheet of paper whenever possible. Please note that only the first page of any test has a place for the students' name, period and test date.

The set of computation tests includes items comparable to the Basic Skill Practice Puzzle sequence used at Pacoima along with the *This Is Your Life* applied arithmetic curriculum. The Basic Skill Practice Puzzle Sequence and Computation Skills Tests are located in Appendix A. These tests may be used individually as students have completed the specified skill area, or they might be used as a whole class test or as a diagnostic tool. Work can be shown on the test or on additional paper.

Comments, criticisms and suggestions for improving these tests will be sincerely welcome - especially if you have a great test of your own you would like to share with us and others!

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PAYDAY (P) - Green

A unit which continues throughout the year: completing Social Security and job application forms, computing payroll deductions, recording weekly living expenses, and completing income tax forms.

SHOPPING (S) - Pink

A five week unit on consumer education: computing sales tax, giving correct change, computing discount, and installment buying.

FACELIFT (F) - Blue

A five week unit on linear measurement, ordering bedroom furnishings, scale and proportional drawing, and room arrangement.

BANKING (B) - Canary

A three unit on depositing and withdrawing money, writing checks with stubs, and writing checks with a register.

WHEELS (W) - Buff

A five week unit on reading car ads and automobile gauges, computing gasoline mileage, selecting and financing a car, and discussing car insurance and maintenance.

SPRING VACATION (SV) - Green

A four week unit on planning a vacation, map-reading, and completing itinerary and expense forms.

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FIRST PLACE (FP) - Canary

A five week unit on investigating apartment living, map reading, selecting an apartment, completing a lease form, computing utility bills, budgeting monthly expenses, and ordering apartment furnishings.

Appendixes:

A. Basic Skills Practice Puzzles Sequence plus Computation skills tests

B. Bibliography

C. Implementation Checklist, You Probably Want to Ask, Demonstration Program Highlights

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CURRICULUM TIMELINE

First Semester

Week	Summary	Unit Weeks
1	Diagnostic tests, general introduction	______
2	"Let's Pretend", Social Security card	Payday #1
3	Job application, bus schedule and balance	Payday #2
4	Practice payday, "Opening Accounts" and first payday	Payday #3
5	Grocery, drugstore and sales tax	Shopping #1
6	Fall wardrobe, correct change	Shopping #2
7	Coin riddles, installments and telephone directory	Shopping #3
8	Unfinished business - open week	______
9	Linear measurement, drawings	Facelift #1
10	Order bedroon furnishings	Facelift #2
11	Scale drawings	Facelift #3
12	Proportions	Facelift #4
13	Furniture scaling, room arrangement	Facelift #5
14	Sales tax, discounts	Shopping #4
15	Winter Vacation	______
16	Winter Vacation	______
17	Installment buying, "Better Buys"	Shopping #5
18	Vocabulary of banking, deposit and withdrawal slips	Banking #1
19	Writing checks, checks with stubs	Banking #2
20	Checks with register	Banking #3

CURRICULUM TIMELINE

Second Semester

Week	Summary	Unit Weeks
21	First week of 2nd semester - open week	________
22	Federal and State Income Taxes	Payday #4
23	Search, read and interpret car ads	Wheels #1
24	Odometer, identify and reduce fractions	Wheels #2
25	Gasoline mileage, interest rates	Wheels #3
26	Compute monies for car, search for car	Wheels #4
27	Car purchase, loan and maintenance	Wheels #5
28	Unfinished business - open week	________
29	Spring Vacation (school holiday)	________
30	Gas prices, city vs highway driving and graphing	Vacation #1
31	Adding and subtracting fractions, time, and gas credit card	Vacation #2
32	Reading mileage table, state map	Vacation #3
33	Circle graphs, vacation choice	Vacation #4
34	Unfinished business - open week	________
35	Search, read and interpret apartment ads	Place #1
36	Reading city map, compute monies for apartment	Place #2
37	"Apartment Search", "Apartment Choice"	Place #3
38	"Rental Lease", utilities	Place #4
39	Budgeting, "Apartment Furnishings"	Place #5
40	Unfinished business - open week	________

PAYDAY

PAYDAY - *Teacher's Introduction*

Obviously, this math class is going to be different. In the first few days of the school year, the pupils have already been introduced to the basic structure of the simulation program in which they are going to be involved. Now is the time to begin looking at life in the grown-up world as it really is.

The "Let's Pretend" worksheet affords the first in a series of rather sobering revelations. It is clear that most pupils will qualify only for a minimum-pay job. Consequently, they cannot afford to live in their desired life-styles. They should continue to live at home for a while, rely on public transportation, and accept a suitable first job.

A position at a large chain department store was chosen for the first job in our simulation because it is a realistic kind of work opportunity for young people. Also it is easy to imagine being employed in some department of a large organization because there are so many different types of jobs available. As soon as the social security and job applications have been completed, pupils may assume that they have been hired. When filling out any forms it is important to stress printing and neatness. They will be credited with one eight-hour working day for each day that they are in school, for legal holidays and paid vacations. Tardiness will cost them one hour or more from that day's pay.

"Payday" is an experience which will be repeated, with variations, every week until the end of the school year. There are two absolute essentials for successful paydays: teacher preparation and the ready availability of pupil materials. In preparation the teacher should have formed a "Payday Packet" consisting of 6 sheets. The first sheet is the "Salary Record", back-to-back with the "Savings Account". The last 5 sheets are 10 copies of the "Record of Expenses" also back-to-back. The students will also be given a beginning "Payday Salary Scale" - $3.35 per hour (or minimum wage). As pupils receive raises, they will need a new salary scale. To earn a pay raise it is necessary to complete a specified number of assignments on basic skills (math puzzle sequence). If you use the puzzle sequence provided in the book, you may find it convenient to staple them in packets of 10 and give raises on the completion of each packet. The puzzle packet, the "Payday Packet" and other necessary forms can be kept in a folder for each student. These folders always remain in the room.

The mathematical intent of "Payday" is to provide continuous practical experience with various aspects of money management. This has a more dramatic effect than a textbook because the pupils can see the dollar effect of their own actions and choices. They can become so involved that they actually feel the pain or the satisfaction that comes with hard work and making the right decisions.

Part of the "Payday" unit is federal income tax. The forms provided here are the "Income Tax Summary" sheet and the "Wage and Tax Statement (W-2)". The teacher or the math department should obtain the educational federal income tax materials available at their local post office.

PAYDAY - CHRONOLOGY

	DAY 1	DAY 2	Day 3	DAY 4	Day 5
WEEK 1	Estimate potential monthly living expenses.	Complete and discuss "Let's Pretend" worksheet; select a first job. *School Week #2*	OPEN DAY	Discuss Social Security programs and benefits. Complete Social Security Card application.	Complete "Getting Started on Your Job" worksheet.
WEEK 2	Complete job application.	Examine local public transportation network. *School Week #3*	OPEN DAY	Compute "How's Your Balance?" worksheet.	Compute "How's Your Balance Today?" worksheet.
WEEK 3	Begin practice "Record of Expenses".	Complete practice "Record of Expenses". *School Week #4*	Complete "Opening Accounts" forms.	Begin first PAYDAY.	Complete PAYDAY.
WEEK 4	Complete "Income Tax Summary" worksheet.	OPEN DAY *School Week #22*	Complete "W-2 Form."	Complete "1040A U.S. Individual Income Tax Return".	PAYDAY

PAYDAY - FIRST WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Demonstrate the connection between an urban life style and the need for a regular income.
Name actual jobs in his community for which no previous experience or advanced training is necessary.
Itemize potential everyday living expenses.
Recognize the main benefits under the Social Security program.
Complete Social Security Card application.
Recognize current rates of public transportation.
Compute typical expenses for coffee breaks and lunches.

Activities:

Day 1 *Estimate potential monthly living expenses.*

The purpose of this lesson is to help pupils realize the true expense involved in maintaining a desired life style. Guide the students through the expenses on the "Let's Pretend" worksheet. Allow for group questions and discussion, since many of these expenses are not familiar to the average student. Individual student entries will differ; however, require minimum amounts suitable for your city.

Day 2 *Complete and discuss "Let's Pretend" worksheet...select a first job.*

Have students complete the five questions at the bottom of the worksheet. Emphasize that they are 18-year-old high school graduates with no full-time work experience. Use student responses to questions 3, 4 and 5 to demonstrate the impracticality of renting an apartment and owning a car without sufficient income. List the students' answers to question 1 on the board; include jobs requiring no experience or training, for example, salesclerk. Discuss the competition that exists for such jobs. Since a prerequisite for many jobs is simply having prior work experience, many people accept an unskilled job and continue to look for a better position. Using this reasoning, the decision to start with an unskilled position at a large retail store is a necessary and reasonable part of this simulation. For homework have students bring in the information required on a Social Security Card application. Handle the questions about place of birth and parents' full names discreetly. Have students take home "Letter to Parents" and return it with signature as soon as possible.

Day 3 *Open day*

Day 4 *Discuss Social Security programs and benefits. Complete Social Security Card application.*

Discuss the philosophy behind Social Security programs and the alternatives. Filling out the Social Security Card application adds to the real life atmosphere of the class. Any student who does not have a Social Security Card should be urged to get one as soon as possible. Useful information such as pamphlets, books, filmstrips, and films may be available at your local Social Security office.

Day 5 *Complete "Getting Started on Your Job" worksheet.*

The main purpose of this worksheet is to show the students that at this time the only feasible and economical way to get to work is public transportation. The other important points would be for the student to arrive at logical expenses for coffee breaks and lunches (without brown bagging it). Distribute and discuss entertainment homework assignment, this assignment is due and necessary before 1st payday.

Materials: *Ditto copies of:*

"Let's Pretend" worksheet
"Letter to the Parents"
"Getting Started on Your Job" worksheet
Application for a Social Security Number
"That's Entertainment" homework

LET'S PRETEND

Name ______________________
Date ______________ Period ______

Let's pretend -- for just a few moments -- that you are on the threshold of adulthood. Fill in the amount, in dollars, you think it will cost you to live on your own for one month. Remember how high prices are today!

Rent		$ ______.00
Food		______.00
Phone		______.00
Gas and Electricity		______.00
Clothing		______.00
Recreation (movies, bowling, concerts, etc.)		______.00
Medical Expenses		______.00
Personal Care (Barber/Beauty Shop, Drugstore Items)		______.00
Magazines, Books, Tapes, Records, etc.		______.00
Transportation:	Car payment	______.00
	Gasoline	______.00
	Insurance	+ ______.00
TOTAL MONTHLY EXPENSES		$ ______.00

1. Name the type of job you would like when you graduate from high school.
____
2. What kinds of skills do you need for this job? ______________________
3. What do you think your monthly take home pay would be for this job? ______
____
4. Will this salary cover the cost of your monthly expenses? ______________
5. If not, what would you do about the difference? ______________________
____

SAMPLE LETTER FOR PARENTS

The following is a copy of the letter sent to all parents of pupils enrolled in the *This Is Your Life* class. The italicized material in parentheses is all that would require changing to suit each local situation. We strongly recommend keeping parents informed and involved.

To the Parents of:____

We are sending you this letter to describe our *ninth* grade mathematics program.

This class has been designed to give students an introduction to what the adult world will be like. They will have experiences filling out job applications, questionnaires, and government forms. They will also learn how to compute their own paychecks. figure salary deductions and plan for spending and saving their money. We will investigate such real situations as budgeting, smart shopping, figuring taxes, furnishing a room, planning vacations, buying a car, paying for insurance and even renting an apartment.

From time to time, your son or daughter will bring home assignments which he or she will need to talk over with you. The first one is, "If your teenager had a job and was still living at home, how much money would you expect him or her to contribute to cover household expenses?" We will all benefit from your opinions and from your assistance in obtaining this kind of practical information.

We are trying to teach the kind of arithmetic that is truly useful and interesting. Of course, we will also review the basic arithmetic skills which each individual student needs. To accomplish this goal we have designed an individualized basic skills program which your son or daughter will have to finish before the end of the school year. This will require work both in the classroom and at home.

If you have any questions about this program or if you would like to visit a class, please telephone your child's teacher at (*your location, phone number*).

(*Grade level*) Mathematics Teacher:____________________________________

Parent/Guardian Signature:____________________________________

GETTING STARTED ON YOUR JOB Name________________________________

Date________________Period________

1. What forms of transportation are available to get you to work?__________
____

2. How much will public transportation cost per day?______________________

How long will it take to get to work?______________________________

What time will you have to leave in the morning?__________Get up?______

3. What do you expect to spend on coffee breaks each day?__________________

4. Select two places where you might eat lunch. Pick a different lunch at each place and list the items and the cost.

Place:______________________________		Place______________________________	
Item a.______________	$____________	Item a.______________	$____________
b.______________	$____________	b.______________	$____________
c.______________	$____________	c.______________	$____________
d.______________	$____________	d.______________	$____________
Sales tax	$____________	Sales tax	$____________
TOTAL	$____________	TOTAL	$____________

5. List other kinds of expenses, purchases, or uses for money that you might have.

a.______________________________

b.______________________________

c.______________________________

d.______________________________

e.______________________________

f.______________________________

g.______________________________

h.______________________________

i.______________________________

j.______________________________

A

THAT'S ENTERTAINMENT

Name ______________________________

Date due ____________ Period ____________

Investigate the following entertainment and recreational activities. Record the amount of money you would spend on each item. Remember your total amount should include any additional expenses to each activity (such as food, transportation, gas, souvenir or equipment).

1. Movies, walk-in..$____________
2. Movies, drive-in.......................................$____________
3. Bowling..$____________
4 Arcade..$____________
5. Miniature Golf...$____________
6. Roller Skating...$____________
7. Ice Skating..$____________
8. Amusement Park...$____________
9. Concert..$____________
10. Baseball Game...$____________
11. Football Game...$____________
12. Record Album..$____________
13. Tape..$____________
14. Zoo...$____________
15. Camping...$____________
16. Fishing...$____________
17. Party...$____________
18. Eating out..$____________
19. Other: ____$____________
20. Other: ____$____________

PAYDAY - SECOND WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Complete a job application.
Read a bus (public transportation) schedule.
Compute addition abd subtraction of decimal numbers.

Activities:

Day 1 *Complete job application.*

Obtain permission to use the job application of a local department store or use the application provided. Using an overhead transparency, complete the application with the class. Stress that this is a legal form and all print must be read before the application is signed. Discuss why the employer needs the required information. Handle the medical section discreetly. Emphasize the importance of having good references, such as school counselors, teachers, community and youth group leaders, clergymen, etc.

Day 2 *Examine local public transportation network.*

Use an overhead transparency and a class set of bus schedules to show the route the students will take to work. Explain the route the bus takes and how to read arrival and departures times from major intersections. Using our "Public Transportation" worksheet as an example, create a master copy for your own area.

Day 3 *Open day*

Day 4 *Compute "How's Your Balance Today?" worksheet.*

The purpose of this sheet is to prepare for the "Record of Expenses" sheet which is to follow. The following items should be stressed; neatness, accuracy, decimal point alignment, and the operations of addition and subtraction (positive and negative numbers). We suggest the students do their work on scratch paper and use the worksheet to fill in the answers. This practice will save future headaches on payday.

Day 5 *Compute "How's Your Balance Today?" worksheet.*

This worksheet is a continuation of "How's Your Balance?". It has been lengthened to correlate with the "Record of Expenses #1". Emphasize the same items as yesterday's lesson.

Materials: *Ditto copies of:*

Local department store job application or application provided
"Public Transportation" worksheet
"How's Your Balance?" worksheet
"How's Your Balance Today?" worksheet

Overhead transparencies of:

Local department store job applications or application provided
Local bus schedule

Class set of local bus schedule

APPLICATION FOR EMPLOYMENT

(Please print information requested)

Date______________19___

Name____________________________________Soc. Sec. No.____-___-____
Last First Middle

Address____
Number Street City State Zip

Telephone No._____________Date of Birth_________________Sex M F

APPLICANT'S STATEMENT OF PHYSICAL CONDITION

Do you wear glasses? Yes No Do you wear contact lenses? Yes No

Do you have any physical defects or ailments? Yes No

If yes, explain____
hernia, heart trouble, or high blood pressure, etc.

List any serious illnesses, operations, accidents, or nervous disorders you had during the last 5 years.____

Have you ever had a knee, head, or back injury? Yes No

In case of emergency notify____
Name Relationship

____
Address Telephone No.

EDUCATION

School	No. of Years	Date Left	Name of School	City/State	Graduate Yes No
Grammar					
Jr. High					
Sr. High					
College					
Other					

MILITARY SERVICE

From_________to__________ __________________ __________________
Rate or Rank Type of Discharge

Present Classification______________Special Training______________

P11

EMPLOYMENT RECORD

(Begin with current or most recent)

Name of Company Street City State Zip

Telephone No. Job Title

Supervisor's Name From Mo. Yr. To Mo. Yr.

Reason for leaving Salary $

Name of Company Street City State Zip

Telephone No. Job Title

Supervisor's Name From Mo. Yr. To Mo. Yr.

Reason for leaving Salary $

Name of Company Street City State Zip

Telephone No. Job Title

Supervisor's Name From Mo. Yr. To Mo. Yr.

Reason for leaving Salary $

PERSONAL REFERENCES

(Not a relative or former employer)

Name	Street City State Zip	Telephone No.	Years known	Occupation

PUBLIC TRANSPORTATION

Name____________________________

Date______________Period_______

1. What does R.T.D. stand for?____
2. What is the bus line number for Laurel Canyon Blvd?__________________
3. If you had a question about the fare, time, or transfer, what could you do?____
4. Can the bus change its time without telling you?______________________
5. When does this schedule take effect?________________________________
6. Is the schedule the same seven days a week?__________________________

   If not, when is it different?_______________________________________
7. How early do the buses run on weekdays?___________How Late?__________
8. What bus stop or intersection is closest to your work?_________________
9. What time does your work begin?_____________________________________
10. What is the time the latest bus can leave you off at your bus stop and not be late for work?____
11. What time would the bus have to pick you up at Laurel Canyon and Van Nuys?____
12. How long would you be on the bus?_____________________________________
13. How long would it take you to walk to Laurel Canyon and Van Nuys?______
14. What time would you have to get up in the morning to catch the bus?____
15. What time do you get off work?_______________________________________
16. What time would the bus pick you up at your bus stop (Remember you are now going north)?____
17. What time would the bus drop you off at Laurel Canyon and Van Nuys?

    ____
18. How long would you be on the bus?_____________________________________
19. From the time you leave your house in the morning, until the time you get home from work, how much time will have gone by?___________________

HOW'S YOUR BALANCE?

Name____________________________

Date________________Period________

In problems 1 - 4 do the operations shown (+ or -), filling in all the vacant spaces. Then list the +'s and -'s in the columns to the right. Add each of these columns, then subtract the answers in the space provided.

1.

+	100
-	5
bal:	95
-	7
bal:	
-	13
bal:	
+	29
bal:	
-	41

+'s	-'s
100	5
29	7
	13
	41

larger__________

smaller -________

←→ ________

2.

+	100.00
-	40.00
bal:	
-	3.00
bal:	
+	9.00
bal:	
+	25.00
bal:	
-	35.00

+'s	-'s

larger__________

smaller -________

←→ ________

3.

+	203.57
-	68.40
bal:	
-	42.50
bal:	
+	21.60
bal:	
+	46.27
bal:	
+	75.42

+'s	-'s

larger__________

smaller -________

←→ ________

4.

+	421.60
-	29.15
bal:	
-	130.47
bal:	
+	15.00
bal:	
-	212.26
bal:	
+	96.80

+'s	-'s

larger__________

smaller -________

←→ ________

HOW'S YOUR BALANCE TODAY?

Name________________________

Date______________Period__________

	+	110.00
	-	25.00
Bal:		
	-	4.25
Bal:		
	-	3.75
Bal:		
	-	6.25
Bal:		
	-	11.50
Bal:		
	-	7.50
Bal:		
	-	2.25
Bal:		
	+	15.00
Bal:		
	-	3.25
Bal:		
	-	25.00
Bal:		
	+	112.00

CHECKLIST

Income (+)	Expenses (-)
	________
−	________
↔	________

	+	123.18
	-	30.00
Bal:		
	-	3.40
Bal:		
	-	4.60
Bal:		
	-	6.40
Bal:		
	-	15.79
Bal:		
	-	8.47
Bal:		
	-	3.49
Bal:		
	-	1.05
Bal		
	+	6.40
Bal:		
	-	50.00
Bal:		
	+	113.41

CHECKLIST

Income (+)	Expenses (-)
	________
−	________
↔	________

HOW'S YOUR BALANCE?

Name Key, Pg-14

Date________ Period________

In problems 1 - 4 do the operations shown (+ or -), filling in all the vacant spaces. Then list the +'s and -'s in the columns to the right. Add each of these columns, then subtract the answers in the space provided.

1.

	+	100
	-	5
bal:		95
	-	7
bal:		88
	-	13
bal:		75
	+	29
bal:		104
	-	41

+'s	-'s
100	5
29	7
129	13
	41
	66

larger 129

smaller - 66

63 ↔ 63

2.

	+	100.00
	-	40.00
bal:		60.00
	-	3.00
bal:		57.00
	+	9.00
bal:		66.00
	+	25.00
bal:		91.00
	-	35.00

+'s	-'s
100.00	40.00
9.00	3.00
25.00	35.00
134.00	78.00

larger 134.00

smaller - 78.00

56.00 ↔ 56.00

3.

	+	203.57
	-	68.40
bal:		135.17
	-	42.50
bal:		92.47
	+	21.60
bal:		114.27
	+	46.27
bal:		160.54
	+	75.42

+'s	-'s
203.57	68.40
21.60	42.50
75.42	110.90
46.27	
346.86	

larger 346.86

smaller 110.90

235.96 ↔ 235.96

4.

	+	421.60
	-	29.15
bal:		392.45
	-	130.47
bal:		261.98
	+	15.00
bal:		276.98
	-	212.26
bal:		6472
	+	96.80

+'s	-'s
421.60	29.15
15.00	130.47
96.80	212.26
533.40	371.88

larger 533.40

smaller 371.88

161.52 ↔ 161.52

HOW'S YOUR BALANCE TODAY?

Name Key, Pg 15

Date________ Period________

	+	110.00
	-	25.00
Bal:		85.00
	-	4.25
Bal:		80.75
	-	3.75
Bal:		77.00
	-	6.25
Bal:		70.75
	-	11.50
Bal:		59.25
	-	7.50
Bal:		51.75
	-	2.25
Bal:		49.50
	+	15.00
Bal:		64.50
	-	3.25
Bal:		61.25
	-	25.00
Bal:		36.25
	+	112.00

CHECKLIST

Income (+)	Expenses (-)
110.00	25.00
15.00	4.25
112.00	3.75
237.00	6.25
	11.50
	7.50
	2.25
	3.25
	25.00
	88.75

237.00

- 88.75

148.25 ↔ 148.25

	+	123.18
	-	30.00
Bal:		93.18
	-	3.40
Bal:		89.78
	-	4.60
Bal:		85.18
	-	6.40
Bal:		78.78
	-	15.79
Bal:		62.99
	-	8.47
Bal:		54.52
	-	3.49
Bal:		51.03
	-	1.05
Bal		49.98
	+	6.40
Bal:		56.38
	-	50.00
Bal:		6.38
	+	113.41

CHECKLIST

Income (+)	Expenses (-)
123.18	30.00
6.40	3.40
113.41	4.60
242.99	6.40
	15.79
	8.47
	3.49
	1.05
	50.00
	123.20

242.99

- 123.20

119.79 ↔ 119.79

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PAYDAY - THIRD WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Figure gross pay due and complete payroll deductions.
Accurately record necessary entries in his payday packet.
Calculate sales tax and/or read sales tax chart.
Complete Bank Savings Forms.

Activities:

Day 1 *Begin practice "Record of Expenses"...*

Study the sample "Record of Expenses #1" carefully. Note that all expenses are recorded with minus signs and all income with plus signs. All taxable entries should show the original price plus tax. Also, the use of the check-list enables the students to verify their final balance. The initial balance forward of approximately $100 is a graduation present which allows them to meet the expenses of the first week on the job. From that point on, the students must meet their expenses with their earnings. The room and board amount is obtained from the "Letter to the Parents". Each pupil should pay a minimum for room and board, for example $25.00 per week. Teachers may have to use "mathematical finesse" to convince pupils that this is a realistic amount parents might expect.

The next three entries are derived from the "Getting Started on Your Job" worksheet. Local rates dictate round trip transportation costs. Lunch and coffee breaks should have daily minimums, for example $2.85 and $1.65 respectively. While room and board must be paid even when the student has been absent, the following expenses are multiplied by the number of days "worked": transportation, coffee breaks, and lunches.

Within the next two weeks, the students will complete a clothing order and personal care shopping assignment. Each payday thereafter they will purchase one item from each list. The entertainment or recreation expenses comes from their "Entertainment" homework assignment. On the practice and the first payday the teacher will have to assign these items and the amounts. The miscellaneous entry, like the chance card entry, can be either an income or an expense. Suggestions for both follow the "Payday" forms at the end of this unit. The amount of the Savings Account entry is chosen by the students and will be used toward the purchase of a car. The net pay is taken from the "Salary Record".

Using an overhead transparency and a class set of "Record of Expenses #1", complete the worksheet for a fictitious student. Use all preceding information to explain each entry to the class. Have the students refer to their worksheet "Getting Started on Your Job" for appropriate entries. A sales tax chart for each student is helpful for taxable items.

Day 2 *Complete practice "Record of Expenses".*

It will take two days to complete a practice "Record of Expenses" worksheet. A logical break would occur after computing the final balance on the left hand side of the worksheet. Demonstrate the use of the checklist to verify the accuracy of the final balance. Now would be the appropriate time to point out common errors students make in the "Record of Expenses".

1. Not recording numbers of days worked
2. Not recording correct balance forward
3. Not multiplying number of days times transportation, coffee breaks, and lunches
4. Lack of neatness
5. Not lining up the decimal points
6. Not borrowing properly
7. Not recording amount of tax
8. Omitting - and + signs
9. Not using correct net pay
10. Not transferring the numbers correctly to the checklist

Day 3 *Complete "Opening Accounts" forms.*

Using an overhead transparency of the "Opening Accounts" forms have the students complete an application card and signature card. These forms may be obtained at a local bank or use the forms provided.

Day 4 *Begin first PAYDAY...*

Distribute individual payday packets. A Payday Packet consists of a total of 6 pages. The first page is the "Salary Record" run back to back with the "Savings Account". The last 5 pages are "Record of Expenses #1" run back to back. The Payday Packet will last for 10 weeks. Since this is the first payday, assume for convenience that each student has achieved a 40 hour week. Using an overhead transparency of "Salary Record", work with the class to compute gross pay, payroll deductions and net pay. Use the percents provided on the "Payday Salary Scale" - $3.35 per hour (or minimum wage) to compute FICA (Social Security), state and federal income taxes, and SDI (State Disability Insurance).

Distribute and discuss how to use "Payday Salary Scale"- $3.35 Per hour. For future paydays, students may simply copy the appropriate row onto their "Salary Records". As an alternative, students may be required to calculate their own payroll expenses. Remind pupils that they will be credited with an eight hour day only for days they are actually in school, holidays and vacations. Tardiness will cost them one hour's pay or more. Using an overhead transparency of "Record of Expenses #1", guide the students through each entry. As the students select their individual expenses, emphasize the minimum amounts required for room and board, coffee breaks, and lunches. Some teachers found it convenient to use the minimum amounts as fixed rates. All taxable entries must show both price before tax and sales tax. Sales tax may be obtained by calculation or by using a sales tax chart. This worksheet is correct if, and only if, the checklist verifies the final balance. Begin the "Savings Account" worksheet with a balance forward of zero dollars. Each payday, have the students record the amount of savings for that week in their "Savings Account".

Day 5 *Complete PAYDAY.*

The first payday usually takes 2 days. Do not hurry through the lesson. As students become more proficient, they will need less than one period to finish a payday. The students who finish early should work on basic math skills or assist slower students in the class. The "Record of Expenses #1" forms are used until the students purchase their cars. Then the "Record of Expenses #2" forms are used, which is usually around the 24th week. The "Record of Expenses #3" forms are used after the students rent their own apartment or house.

MATERIALS: *Ditto copies of:*

"Record of Expenses #1" worksheet for days 1 and 2
Individual Payday Packets
"Payday Salary Scale" - $3.35 per hour (or minimum wage)
Appropriate sales tax charts
"Opening Accounts" forms (first week "Banking" unit)

Overhead transparencies of:

"Record of Expenses #1"
"Salary Record"
"Savings Account"
"Opening Accounts" forms

Class set of Payday Chance Cards

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SALARY RECORD

Name______________________ Period______

Week Ending	Pay Rate	Days	Hours	Late	Total	Gross Pay	FICA	State Tax	Federal Tax	SDI	Net Pay

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SALARY RECORD

Name________________ Period______

Week Ending	Pay Rate	Days	Hours	Late	Total	Gross Pay	FICA	State Tax	Federal Tax	SDI	Net Pay
10/1	3.35	5	40	0	40	$134.00	8.98	2.60	11.06	1.34	110.02
10/8	3.35	4	32	0	32	107.20	7.18	2.08	8.84	1.07	88.03
10/15	3.35	4	32	1	31	103.85	6.96	2.01	8.57	1.04	85.27
10/22	3.70	5	40	0	40	148.00	9.92	3.17	13.59	1.48	119.84
10/29	3.70	3	24	0	24	88.80	5.95	1.90	8.15	.89	71.91

NOTE: THE $3.70 PAY RATE, SHOWN IN WEEK FOUR, REFLECTS A PAY RAISE. DEDUCTIONS ARE FOUND ON THE "PAYDAY SALARY SCALE" - $3.70 PER HOUR. THIS SCALE AND OTHERS ARE INCLUDED AT THE END OF THE PAYDAY UNIT.

SAVINGS ACCOUNT

Name______________________ Period_____

Date	Entry	Balance forward: $
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	
	For:	
	Bal:	

RECORD OF EXPENSES #1 Name ______________________ Period _____

Balance Forward		
Room and Board P	per week: Bal:	
Transportation Expense P	per day: Bal:	
Coffee Breaks P	per day: Bal:	
Lunches P	per day: Bal:	
Clothing S	item: Bal:	
Entertainment, Recreation P	for: Bal:	
Personal Care S	for: Bal:	
Miscellaneous P	for: Bal:	
Chance Cards P	for: Bal:	
Savings Account P	 Bal	
Net Pay (From Salary Record)		

Week ending: __________

Pay rate: __________

Number of days worked: __________

CHECKLIST

Income (+)	Expenses (-)

- __________

____

FINAL BALANCE ↔ __________

RECORD OF EXPENSES #1

Name Ray Alvarez Period 3

Balance Forward		+	$106.54
Room and Board	per week: $25	−	25.00
P	Bal:		81.54
Transportation Expense	per day: $1.70	−	8.50
P	Bal:		73.04
Coffee Breaks	per day: $1.65	−	8.25
P	Bal:		64.79
Lunches	per day: $2.85	−	14.25
P	Bal:		50.54
Clothing	item: Pants	−	17.97
S	$16.95 + 1.02 Bal:		32.57
Entertainment, Recreation	for: Album	−	5.29
P	$4.99 + .30 Bal:		27.28
Personal Care	for: Toothpaste	−	1.26
S	$1.19 + .07 Bal:		26.02
Miscellaneous	for: Gift	−	9.49
P	$8.95 + .54 Bal:		16.53
Chance Cards	for: Extra	+	15.00
P	Work Bal:		31.53
Savings Account		−	20.00
P	Bal		11.53
Net Pay (From Salary Record)		+	110.02

Week ending: 10/1

Pay rate: $3.35

Number of days worked: 5

CHECKLIST

Income (+)	Expenses (-)
106.54	25.00
15.00	8.50
110.02	8.25
231.56	14.25
	17.97
	5.29
	1.26
	9.49
	20.00
	110.01

$231.56
− 110.01

FINAL BALANCE $121.55 ↔ $121.55

RECORD OF EXPENSES #2

Name ____________________ Period ______

Balance Forward	
Room and Board P	per week: Bal:
Gasoline C	per week: Bal:
Lunches & Coffee Breaks P	per day: Bal:
Clothing S	item: Bal:
Entertainment, Recreation P	for: Bal:
Personal Care S	for: Bal:
Miscellaneous P	for: Bal:
Chance Cards P	for: Bal:
Transfer of Funds B	Bal:
Car Payment (Third Friday only) C	Bal:
Auto Insurance (Third Friday only) C	Bal:
Savings Account P	Bal:
Net Pay (From Salary Record)	

Week ending: __________

Pay rate: __________

Number of days worked: __________

CHECKLIST

Income (+)	Expenses (-)

FINAL BALANCE ◯ ↔

RECORD OF EXPENSES #2

Name Corinne Ramirez Period 3

Balance Forward		+	145.30
Room and Board	per week: $25	-	25.00
P	Bal:		120.30
Gasoline	per week: $22.80	-	22.80
C	Bal:		97.50
Lunches & Coffee Breaks	per day: $4.75	-	19.00
P	Bal:		78.50
Clothing	item: Blouse	-	11.65
S	$10.99 + .66 Bal:		66.85
Entertainment, Recreation	for: Movie, Snacks	-	5.50
P	$5.50 Bal:		61.35
Personal Care	for: Mascara	-	1.86
S	$1.75 + .11 Bal:		59.49
Miscellaneous	for: Valentine card	-	1.33
P	$1.25 + .08 Bal:		58.16
Chance Cards	for: Swap Meet	+	22.00
P	Bal:		80.16
Transfer of Funds		+	60.00
B	Bal:		140.16
Car Payment (Third Friday only)	$91.37	-	91.37
C	Bal:		48.79
Auto Insurance (Third Friday only)	$48.35	-	48.35
C	Bal:		.44
Savings Account			0.00
P	Bal:		.44
Net Pay (From Salary Record)			113.59

FINAL BALANCE $114.03

Week ending: 2/18

Pay rate: $4.50

Number of days worked: 4

CHECKLIST

Income (+)	Expenses (-)
145.30	25.00
22.00	22.80
60.00	19.00
+113.59	11.65
340.89	5.50
	1.86
	1.33
	91.37
	+48.35
	226.86

$340.89
− 226.86

↔ $114.03

RECORD OF EXPENSES #3

Name______________________ Period______

Balance Forward			
Food A	per week:	Bal:	
Gasoline C	per week:	Bal:	
Clothing S	item:	Bal:	
Entertainment, Recreation P	for:	Bal:	
Personal Care S	for:	Bal:	
Miscellaneous P	for:	Bal:	
Chance Cards P	For:	Bal:	
Transfer of Funds B		Bal:	
Rent for Apartment (First Friday only) A		Bal:	
Power for Apartment (First Friday only) A		Bal:	
Gas for Apartment (First Friday only) A		Bal:	
Telephone Service (First Friday only) A		Bal:	
Car Payment (Third Friday only) A		Bal:	
Auto Insurance (Third Friday only) C		Bal:	
Savings Account P		Bal:	
Net Pay (From salary record)			

Week ending:____________

Pay rate:____________

Number of days worked:____________

CHECKLIST

Income (+)	Expenses (-)

FINAL BALANCE ↔

RECORD OF EXPENSES #3

Name John Romero Period 3

Balance Forward		162.15
Food	per week: $35	- 35.00
A	Bal:	127.15
Gasoline	per week: $22.80	- 22.80
C	Bal:	104.35
Clothing	item: swim trunks	- 10.55
S	$9.95+.60 Bal:	93.80
Entertainment, Recreation	for: Baseball	- 9.85
P	Game Bal:	83.95
Personal Care	for: Cologne	- 7.95
S	$7.50+.45 Bal:	76.00
Miscellaneous	for: Battery	- 42.35
P	$39.95+2.40 Bal:	33.65
Chance Cards	For: Ring	- 20.13
P	$18.99+1.14 Bal:	13.52
Transfer of Funds		+ 195.00
B	Bal:	208.52
Rent for Apartment (First Friday only)	½ of $350	- 175.00
A	Bal:	33.52
Power for Apartment (First Friday only)	½ of $32.56	- 16.28
A	Bal:	17.24
Gas for Apartment (First Friday only)	½ of $10.12	- 5.06
A	Bal:	12.18
Telephone Service (First Friday only)	½ of $17.76	- 8.88
A	Bal:	3.30
Car Payment (Third Friday only)		0.00
A	Bal:	3.30
Auto Insurance (Third Friday only)		0.00
C	Bal:	3.30
Savings Account		0.00
P	Bal:	3.30
Net Pay (From salary record)		193.91

FINAL BALANCE $197.21

Week ending: 6/3

Pay rate: $6.50

Number of days worked: 5

CHECKLIST

Income (+)	Expenses (-)
162.15	35.00
195.00	22.80
193.91	10.55
551.06	9.85
	7.95
	42.35
	20.13
	175.00
	16.28
	5.06
	8.88
	353.85

$551.06
− 353.85

↔ $197.21

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PAYDAY SALARY SCALE - $3.35 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.70%	STATE 1.94%	FEDERAL 8.25%	SDI 1.00%	NET PAY
5	40	0	40	$134.00	8.98	2.60	11.06	1.34	110.02
5	40	1	39	130.65	8.75	2.53	10.78	1.31	107.28
5	40	2	38	127.30	8.53	2.47	10.50	1.27	104.53
4	32	0	32	107.20	7.18	2.08	8.84	1.07	88.03
4	32	1	31	103.85	6.96	2.01	8.57	1.04	85.27
4	32	2	30	100.50	6.73	1.95	8.29	1.01	82.52
3	24	0	24	80.40	5.39	1.56	6.63	.81	66.01
3	24	1	23	77.05	5.16	1.49	6.36	.77	63.27
3	24	2	22	73.70	4.94	1.43	6.08	.74	60.51
2	16	0	16	53.60	3.59	1.04	4.42	.54	44.01
2	16	1	15	50.25	3.37	.97	4.15	.50	41.26
2	16	2	14	46.90	3.14	.91	3.87	.47	38.51
1	8	0	8	26.80	1.80	.52	2.21	.27	22.00
1	8	1	7	23.45	1.57	.45	1.93	.23	19.27

STATE OF CALIFORNIA 6% SALES TAX SCHEDULE

TRANSACTION	TAX
.01- .10	.00
.11- .22	.01
.23- .39	.02
.40- .56	.03
.57- .73	.04
.74- .90	.05
.91- 1.08	.06
1.09- 1.24	.07
1.25- 1.41	.08
1.42- 1.58	.09
1.59- 1.74	.10
1.75- 1.91	.11
1.92- 2.08	.12
2.09- 2.24	.13
2.25- 2.41	.14
2.42- 2.58	.15
2.59- 2.74	.16
2.75- 2.91	.17
2.92- 3.08	.18
3.09- 3.24	.19
3.25- 3.41	.20
3.42- 3.58	.21
3.59- 3.74	.22
3.75- 3.91	.23
3.92- 4.08	.24
4.09- 4.24	.25
4.25- 4.41	.26
4.42- 4.58	.27
4.59- 4.74	.28
4.75- 4.91	.29
4.92- 5.08	.30
5.09- 5.24	.31
5.25- 5.41	.32
5.42- 5.58	.33
5.59- 5.74	.34
5.75- 5.91	.35
5.92- 6.08	.36
6.09- 6.24	.37
6.25- 6.41	.38
6.42- 6.58	.39
6.59- 6.74	.40
6.75- 6.91	.41
6.92- 7.08	.42
7.09- 7.24	.43
7.25- 7.41	.44
7.42- 7.58	.45
7.59- 7.74	.46
7.75- 7.91	.47
7.92- 8.08	.48
8.09- 8.24	.49
8.25- 8.41	.50
8.42- 8.58	.51
8.59- 8.74	.52
8.75- 8.91	.53
8.92- 9.08	.54
9.09- 9.24	.55
9.25- 9.41	.56
9.42- 9.58	.57
9.59- 9.74	.58
9.75- 9.91	.59
9.92-10.08	.60
10.09-10.24	.61
10.25-10.41	.62
10.42-10.58	.63
10.59-10.74	.64
10.75-10.91	.65
10.92-11.08	.66
11.09-11.24	.67
11.25-11.41	.68
11.42-11.58	.69
11.59-11.74	.70
11.75-11.91	.71
11.92-12.08	.72
12.09-12.24	.73
12.25-12.41	.74
12.42-12.58	.75
12.59-12.74	.76
12.75-12.91	.77
12.92-13.08	.78
13.09-13.24	.79
13.25-13.41	.80
13.42-13.58	.81
13.59-13.74	.82
13.75-13.91	.83
13.92-14.08	.84
14.09-14.24	.85
14.25-14.41	.86
14.42-14.58	.87
14.59-14.74	.88
14.75-14.91	.89
14.92-15.08	.90
15.09-15.24	.91
15.25-15.41	.92
15.42-15.58	.93
15.59-15.74	.94
15.75-15.91	.95
15.92-16.08	.96
16.09-16.24	.97
16.25-16.41	.98
16.42-16.58	.99
16.59-16.74	1.00
16.75-16.91	1.01
16.92-17.08	1.02
17.09-17.24	1.03
17.25-17.41	1.04
17.42-17.58	1.05
17.59-17.74	1.06
17.75-17.91	1.07
17.92-18.08	1.08
18.09-18.24	1.09
18.25-18.41	1.10
18.42-18.58	1.11
18.59-18.74	1.12
18.75-18.91	1.13
18.92-19.08	1.14
19.09-19.24	1.15
19.25-19.41	1.16
19.42-19.58	1.17
19.59-19.74	1.18
19.75-19.91	1.19
19.92-20.08	1.20
20.09-20.24	1.21
20.25-20.41	1.22
20.42-20.58	1.23
20.59-20.74	1.24
20.75-20.91	1.25
20.92-21.08	1.26
21.09-21.24	1.27
21.25-21.41	1.28
21.42-21.58	1.29
21.59-21.74	1.30
21.75-21.91	1.31
21.92-22.08	1.32
22.09-22.24	1.33
22.25-22.41	1.34
22.42-22.58	1.35
22.59-22.74	1.36
22.75-22.91	1.37
22.92-23.08	1.38
23.09-23.24	1.39
23.25-23.41	1.40
23.42-23.58	1.41
23.59-23.74	1.42
23.75-23.91	1.43
23.92-24.08	1.44
24.09-24.24	1.45
24.25-24.41	1.46
24.42-24.58	1.47
24.59-24.74	1.48
24.75-24.91	1.49
24.92-25.08	1.50
25.09-25.24	1.51
25.25-25.41	1.52

6½% CALIFORNIA SALES TAX 6½%

TO	TAX	TO	TAX	TO	TAX	TO	TAX	TO	TAX
.10-	.00	8.53-	.55	16.99-	1.10	25.46-	1.65	33.92-	2.20
.20-	.01	8.69-	.56	17.15-	1.11	25.61-	1.66	34.07-	2.21
.35-	.02	8.84-	.57	17.30-	1.12	25.76-	1.67	34.23-	2.22
.51-	.03	8.99-	.58	17.46-	1.13	25.92-	1.68	34.38-	2.23
.67-	.04	9.15-	.59	17.61-	1.14	26.07-	1.69	34.53-	2.24
.83-	.05	9.30-	.60	17.76-	1.15	26.23-	1.70	34.69-	2.25
.99-	.06	9.46-	.61	17.92-	1.16	26.38-	1.71	34.84-	2.26
1.15-	.07	9.61-	.62	18.07-	1.17	26.53-	1.72	34.99-	2.27
1.30-	.08	9.76-	.63	18.23-	1.18	26.69-	1.73	35.15-	2.28
1.46-	.09	9.92-	.64	18.38-	1.19	26.84-	1.74	35.30-	2.29
1.61-	.10	10.07-	.65	18.53-	1.20	26.99-	1.75	35.46-	2.30
1.76-	.11	10.23-	.66	18.69-	1.21	27.15-	1.76	35.61-	2.31
1.92-	.12	10.38-	.67	18.84-	1.22	27.30-	1.77	35.76-	2.32
2.07-	.13	10.53-	.68	18.99-	1.23	27.46-	1.78	35.92-	2.33
2.23-	.14	10.69-	.69	19.15-	1.24	27.61-	1.79	36.07-	2.34
2.38-	.15	10.84-	.70	19.30-	1.25	27.76-	1.80	36.23-	2.35
2.53-	.16	10.99-	.71	19.46-	1.26	27.92-	1.81	36.38-	2.36
2.69-	.17	11.15-	.72	19.61-	1.27	28.07-	1.82	36.53-	2.37
2.84-	.18	11.30-	.73	19.76-	1.28	28.23-	1.83	36.69-	2.38
2.99-	.19	11.46-	.74	19.92-	1.29	28.38-	1.84	36.84-	2.39
3.15-	.20	11.61-	.75	20.07-	1.30	28.53-	1.85	36.99-	2.40
3.30-	.21	11.76-	.76	20.23-	1.31	28.69-	1.86	37.15-	2.41
3.46-	.22	11.92-	.77	20.38-	1.32	28.84-	1.87	37.30-	2.42
3.61-	.23	12.07-	.78	20.53-	1.33	28.99-	1.88	37.46-	2.43
3.78-	.24	12.23-	.79	20.69-	1.34	29.15-	1.89	37.61-	2.44
3.92-	.25	12.38-	.80	20.84	1.35	29.30-	1.90	37.76-	2.45
4.07-	.26	12.53-	.81	20.99	1.36	29.46-	1.91	37.92-	2.46
4.23-	.27	12.69-	.82	21.15	1.37	29.61-	1.92	38.07-	2.47
4.38-	.28	12.84-	.83	21.30	1.38	29.76-	1.93	38.23-	2.48
4.53-	.29	12.99-	.84	21.46-	1.39	29.92-	1.94	38.38-	2.49
4.69-	.30	13.15-	.85	21.61-	1.40	30.07-	1.95	38.53-	2.50
4.84-	.31	13.30-	.86	21.76-	1.41	30.23-	1.96	38.69-	2.51
4.99-	.32	13.46-	.87	21.92-	1.42	30.38-	1.97	38.84-	2.52
5.15-	.33	13.61-	.88	22.07-	1.43	30.53-	1.98	38.99-	2.53
5.30-	.34	13.78-	.89	22.23-	1.44	30.69-	1.99	39.15-	2.54
5.46-	.35	13.92-	.90	22.38-	1.45	30.84-	2.00	39.30-	2.55
5.61-	.36	14.07-	.91	22.53-	1.46	30.99-	2.01	39.46-	2.56
5.76-	.37	14.23-	.92	22.69-	1.47	31.15-	2.02	39.61-	2.57
5.92-	.38	14.38-	.93	22.84-	1.48	31.30-	2.03	39.76-	2.58
6.07-	.39	14.53-	.94	22.99-	1.49	31.46	2.04	39.92-	2.59
6.23-	.40	14.69-	.95	23.15-	1.50	31.61-	2.05	40.07-	2.60
6.38-	.41	14.84-	.96	23.30-	1.51	31.76-	2.06	40.23-	2.61
6.53-	.42	14.99-	.97	23.46-	1.52	31.92-	2.07	40.38-	2.62
6.69-	.43	15.15-	.98	23.61-	1.53	32.07-	2.08	40.53-	2.63
6.84-	.44	15.30-	.99	23.78-	1.54	32.23-	2.09	40.69-	2.64
6.99-	.45	15.46-	1.00	23.92-	1.55	32.38-	2.10	40.84-	2.65
7.15-	.46	15.61-	1.01	24.07-	1.56	32.53-	2.11	40.99-	2.66
7.30-	.47	15.76-	1.02	24.23-	1.57	32.69-	2.12	41.15-	2.67
7.46-	.48	15.92-	1.03	24.38-	1.58	32.84-	2.13	41.30-	2.68
7.61-	.49	16.07-	1.04	24.53-	1.59	32.99-	2.14	41.46-	2.69
7.76-	.50	16.23-	1.05	24.69-	1.60	33.15-	2.15	41.61-	2.70
7.92-	.51	16.38-	1.06	24.84-	1.61	33.30-	2.16	41.76-	2.71
8.07-	.52	16.53-	1.07	24.99-	1.62	33.46-	2.17	41.92-	2.72
8.23-	.53	16.69-	1.08	25.15-	1.63	33.61-	2.18	42.07-	2.73
8.38-	.54	16.84-	1.09	25.30-	1.64	33.78-	2.19	42.23-	2.74

STATE OF CALIFORNIA 6% SALES TAX SCHEDULE

TRANSACTION	TAX	TRANSACTION	TAX	TRANSACTION	TAX
25.42-25.58	1.53	33.92-34.08	2.04	42.42-42.58	2.55
25.59-25.74	1.54	34.09-34.24	2.05	42.59-42.74	2.56
25.75-25.91	1.55	34.25-34.41	2.06	42.75-42.91	2.57
25.92-26.08	1.56	34.42-34.58	2.07	42.92-43.08	2.58
26.09-26.24	1.57	34.59-34.74	2.08	43.09-43.24	2.59
26.25-26.41	1.58	34.75-34.91	2.09	43.25-43.41	2.60
26.42-26.58	1.59	34.92-35.08	2.10	43.42-43.58	2.61
26.59-26.74	1.60	35.09-35.24	2.11	43.59-43.74	2.62
26.75-26.91	1.61	35.25-35.41	2.12	43.75-43.91	2.63
26.92-27.08	1.62	35.42-35.58	2.13	43.92-44.08	2.64
27.09-27.24	1.63	35.59-35.74	2.14	44.09-44.24	2.65
27.25-27.41	1.64	35.75-35.91	2.15	44.25-44.41	2.66
27.42-27.58	1.65	35.92-36.08	2.16	44.42-44.58	2.67
27.59-27.74	1.66	36.09-36.24	2.17	44.59-44.74	2.68
27.75-27.91	1.67	36.25-36.41	2.18	44.75-44.91	2.69
27.92-28.08	1.68	36.42-36.58	2.19	44.92-45.08	2.70
28.09-28.24	1.69	36.59-36.74	2.20	45.09-45.24	2.71
28.25-28.41	1.70	36.75-36.91	2.21	45.25-45.41	2.72
28.42-28.58	1.71	36.92-37.08	2.22	45.42-45.58	2.73
28.59-28.74	1.72	37.09-37.24	2.23	45.59-45.74	2.74
28.75-28.91	1.73	37.25-37.41	2.24	45.75-45.91	2.75
28.92-29.08	1.74	37.42-37.58	2.25	45.92-46.08	2.76
29.09-29.24	1.75	37.59-37.74	2.26	46.09-46.24	2.77
29.25-29.41	1.76	37.75-37.91	2.27	46.25-46.41	2.78
29.42-29.58	1.77	37.92-38.08	2.28	46.42-46.58	2.79
29.59-29.74	1.78	38.09-38.24	2.29	46.59-46.74	2.80
29.75-29.91	1.79	38.25-38.41	2.30	46.75-46.91	2.81
29.92-30.08	1.80	38.42-38.58	2.31	46.92-47.08	2.82
30.09-30.24	1.81	38.59-38.74	2.32	47.09-47.24	2.83
30.25-30.41	1.82	38.75-38.91	2.33	47.25-47.41	2.84
30.42-30.58	1.83	38.92-39.08	2.34	47.42-47.58	2.85
30.59-30.74	1.84	39.09-39.24	2.35	47.59-47.74	2.86
30.75-30.91	1.85	39.25-39.41	2.36	47.75-47.91	2.87
30.92-31.08	1.86	39.42-39.58	2.37	47.92-48.08	2.88
31.09-31.24	1.87	39.59-39.74	2.38	48.09-48.24	2.89
31.25-31.41	1.88	39.75-39.91	2.39	48.25-48.41	2.90
31.42-31.58	1.89	39.92-40.08	2.40	48.42-48.58	2.91
31.59-31.74	1.90	40.09-40.24	2.41	48.59-48.74	2.92
31.75-31.91	1.91	40.25-40.41	2.42	48.75-48.91	2.93
31.92-32.08	1.92	40.42-40.58	2.43	48.92-49.08	2.94
32.09-32.24	1.93	40.59-40.74	2.44	49.09-49.24	2.95
32.24-32.41	1.94	40.75-40.91	2.45	49.25-49.41	2.96
32.42-32.58	1.95	40.92-41.08	2.46	49.42-49.58	2.97
32.59-32.74	1.96	41.09-41.24	2.47	49.59-49.74	2.98
32.75-32.91	1.97	41.25-41.41	2.48	49.75-49.91	2.99
32.92-33.08	1.98	41.42-41.58	2.49	49.92-50.08	3.00
32.09-33.24	1.99	41.59-41.74	2.50	50.09-50.24	3.01
33.25-33.41	2.00	41.75-41.91	2.51	50.25-50.41	3.02
33.42-33.58	2.01	41.92-42.08	2.52	50.42-50.58	3.03
33.59-33.74	2.02	42.09-42.24	2.53	50.59-50.74	3.04
33.75-33.91	2.03	42.25-42.41	2.54	50.75-50.91	3.05

6½% CALIFORNIA SALES TAX 6½%

TO	TAX	TO	TAX	TO	TAX	TO	TAX	TO	TAX
42.38-	2.75	50.84-	3.30	59.30-	3.85	67.76-	4.40	76.23-	4.95
42.53-	2.76	50.99-	3.31	59.46-	3.86	67.92-	4.41	76.38-	4.96
42.69-	2.77	51.15-	3.32	59.61-	3.87	68.07-	4.42	76.53-	4.97
42.84-	2.78	51.30-	3.33	59.76-	3.88	68.23-	4.43	76.69-	4.98
42.99-	2.79	51.46-	3.34	59.92-	3.89	68.38-	4.44	76.84-	4.99
43.15-	2.80	51.61-	3.35	60.07-	3.90	68.53-	4.45	76.99-	5.00
43.30-	2.81	51.76-	3.36	60.23-	3.91	68.69-	4.46	77.15-	5.01
43.46-	2.82	51.92-	3.37	60.38-	3.92	68.84-	4.47	77.30-	5.02
43.61-	2.83	52.07-	3.38	60.53-	3.93	68.99-	4.48	77.46-	5.03
43.78-	2.84	52.23-	3.39	60.69-	3.94	69.15-	4.49	77.61-	5.04
43.92-	2.85	52.38-	3.40	60.84-	3.95	69.30-	4.50	77.76-	5.05
44.07-	2.86	52.53-	3.41	60.99-	3.96	69.46-	4.51	77.92-	5.06
44.23-	2.87	52.69-	3.42	61.15-	3.97	69.61-	4.52	78.07-	5.07
44.38-	2.88	52.84-	3.43	61.30-	3.98	69.76-	4.53	78.23-	5.08
44.53-	2.89	52.99-	3.44	61.46-	3.99	69.92-	4.54	78.38-	5.09
44.69-	2.90	53.15-	3.45	61.61-	4.00	70.07-	4.55	78.53-	5.10
44.84-	2.91	53.30-	3.46	61.76-	4.01	70.23-	4.56	78.69-	5.11
44.99-	2.92	53.46-	3.47	61.92-	4.02	70.38-	4.57	78.84-	5.12
45.15-	2.93	53.61-	3.48	62.07-	4.03	70.53-	4.58	78.99-	5.13
45.30-	2.94	53.78-	3.49	62.23-	4.04	70.69-	4.59	79.15-	5.14
45.46-	2.95	53.92-	3.50	62.38-	4.05	70.84-	4.60	79.30-	5.15
45.61-	2.96	54.07-	3.51	62.53-	4.06	70.99-	4.61	79.46-	5.16
45.76-	2.97	54.23-	3.52	62.69-	4.07	71.15-	4.62	79.61-	5.17
45.92-	2.98	54.38-	3.53	62.84-	4.08	71.30-	4.63	79.76-	5.18
46.07-	2.99	54.53-	3.54	62.99-	4.09	71.46-	4.64	79.92-	5.19
46.23-	3.00	54.69-	3.55	63.15-	4.10	71.61-	4.65	80.07-	5.20
46.38-	3.01	54.84-	3.56	63.30-	4.11	71.76-	4.66	80.23-	5.21
46.53-	3.02	54.99-	3.57	63.46-	4.12	71.92-	4.67	80.38-	5.22
46.69-	3.03	55.15-	3.58	63.61-	4.13	72.07-	4.68	80.53-	5.23
46.84-	3.04	55.30	3.59	63.78-	4.14	72.23-	4.69	80.69-	5.24
46.99-	3.05	55.46-	3.60	63.92-	4.15	72.38-	4.70	80.84-	5.25
47.15-	3.06	55.61-	3.61	64.07-	4.16	72.53-	4.71	80.99-	5.26
47.30-	3.07	55.76-	3.62	64.23-	4.17	72.69-	4.72	81.15-	5.27
47.46-	3.08	55.92-	3.63	64.38-	4.18	72.84-	4.73	81.30-	5.28
47.61-	3.09	56.07-	3.64	64.53-	4.19	72.99-	4.74	81.46-	5.29
47.76-	3.10	56.23-	3.65	64.69-	4.20	73.15-	4.75	81.61-	5.30
47.92-	3.11	56.38-	3.66	64.84-	4.21	73.30-	4.76	81.76-	5.31
48.07-	3.12	56.53-	3.67	64.99-	4.22	73.46-	4.77	81.92-	5.32
48.23-	3.13	56.69-	3.68	65.15-	4.23	73.61-	4.78	82.07-	5.33
48.38-	3.14	56.84-	3.69	65.30-	4.24	73.78-	4.79	82.23-	5.34
48.53-	3.15	56.99-	3.70	65.46-	4.25	73.92-	4.80	82.38-	5.35
48.69-	3.16	57.15-	3.71	65.61-	4.26	74.07-	4.81	82.53-	5.36
48.84-	3.17	57.30-	3.72	65.76-	4.27	74.23-	4.82	82.69-	5.37
48.99-	3.18	57.46-	3.73	65.92-	4.28	74.38-	4.83	82.84-	5.38
49.15-	3.19	57.61-	3.74	66.07-	4.29	74.53-	4.84	82.99-	5.39
49.30-	3.20	57.76-	3.75	66.23-	4.30	74.69-	4.85	83.15-	5.40
49.46-	3.21	57.92-	3.76	66.38-	4.31	74.84-	4.86	83.30-	5.41
49.61-	3.22	58-07-	3.77	66.53-	4.32	74.99-	4.87	83.46-	5.42
49.76-	3.23	58.23-	3.78	66.69-	4.33	75.15-	4.88	83.61-	5.43
49.92-	3.24	58-38-	3.79	66.84-	4.34	75.30-	4.89	83.78-	5.44
50.07-	3.25	58.53-	3.80	66.99-	4.35	75.46-	4.90	83.92-	5.45
50.23-	3.26	58.69-	3.81	67.15-	4.36	75.61-	4.91	84.07-	5.46
50.38-	3.27	58.84-	3.82	67.30-	4.37	75.76-	4.92	84.23-	5.47
50.53-	3.28	58.99-	3.83	67.46-	4.38	75.92-	4.93	84.38-	5.48
50.69-	3.29	59.15-	3.84	67.61-	4.39	76.07-	4.94	84.53-	5.49

PAYDAY - FOURTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Compute their total gross pay and deductions for the previous year.
Complete a "W-2 Form".
Complete a short income tax return.

Activities:

Day 1 *Complete "Income Tax Summary" worksheet.*

Using the form provided in this book, have the student copy the numbers from the "Salary Record" form onto the "Income Tax Summary" worksheet. Use of calculators for this lesson is recommended. We suggest the students exchange papers and initial correct totals. We have allowed an open day to complete these worksheets. Please save this worksheet for the "W-2 Form".

Day 2 *Open Day*

Day 3 *Complete "W-2 Form".*

Use an overhead transparency of the "W-2 Form" provided in the book. Have the students complete their "W-2 Form" using their totals from the "Income Tax Summary" worksheet. This assignment takes about fifteen minutes. The "W-2 Form" will be used to complete their tax returns.

Day 4 *Complete "1040A U.S. Individual Income Tax Return".*

Lead the students through the assignment using the large display form included in the materials you have obtained from the post office. You will avoid difficulties in this lesson by filling in a small 1040A form in advance to refer to. The student's refund should be given as a miscellaneous entry.

Day 5 *PAYDAY*

MATERIALS: *Ditto Copies of:*

"Income Tax Summary" worksheet
"W-2 Form"
"1040A U.S. Individual Income Tax Return" (provided by the post office).

Overhead transparencies of.

"W-2 Form"

Educational federal income tax materials obtained from the post office.

INCOME TAX SUMMARY

Name_______________________________

Date_______________Period__________

Copy the information neatly from your weekly pay records. Line up the decimal point to make the columns easier to add. Add the four columns.

Pay Date	Gross Pay	FICA Tax	State Tax	Federal Tax
TOTALS				

WAGE AND TAX STATEMENT 19

		Type or print EMPLOYER'S name address, ZIP code and Federal Identifying number.	COPY C' FOR EMPLOYEE Employee's State Identifying number	
Employee's social security number	1 Federal Income tax withheld	2 Wages, tips and other compensation	3 FICA employee tax withheld	4 Total FICA wages
Type or print Employee's name, address, and ZIP code below.		5 Was employee covered by a qualified pension plan, etc?	6	7
		8 State or local tax withheld	9 State or local wages	10 State or locality
		11 State or local tax withheld	12 State or local wages	13 State or locality

Form W—2

Department of the Treasury—Internal Revenue Service

CHANCE CARD IDEAS

Your own students are the best source of clever chance card ideas. The following is a small sample of Pacoima pupils' creativity. Each idea should be copied on tagboard scraps or 3 x 5 cards and some should be coded as more appropriate for either boys or girls.

Eat In.....While on a date at the drive-in, you wind up getting food for everyone. Luckily you brought money. Cost of food: $8.75 plus tax

Oh, No!....You weren't watching carefully enough and you dropped too much money in the bus machine. Sorry - you lost $.75

Stray Cat......You find a stray cat which had been in a fight. You take the cat home and nurse it back to health. Medicine: $16.25 plus tax

Surprise!....That joker you loaned money to a year ago finally decided to pay you back, although without any interest. You get: $8.00

Heavy Eater.....You planned to spend $9.00 on your date, but she ordered enough for two people. The bill came to $12.25 plus tax

Trick or Treat.....You are in charge of decorations for a Hallowe'en party.

You buy: 5 pumpkins, 85¢ each
5 candles, 25¢ each
1 tablecloth, $1.75 each
1 pkg. of plates, $1.29
1 pkg. of cups, 89¢
plus tax

Recipe.....That crazy recipe you made up last month (the one with spinach, liver and buttermilk) won second prize in a cooking contest. You win $15.00

Doctor Bill.....You're walking home from the bus stop and a dog bites you. You rush to a doctor and get a tetanus shot. Insurance covers the visit, but .....Tetanus shot costs: $12.50

Bad Bet.....You bet your brother on the football game and your team lost. So did you: $5.00

Bad Memory.....You run into one of your friends whom you haven't seen for a while, and he reminds you about that $5.00 you still owe him. You repay him: $5.00

Smart Shopper!....You went to a swap meet and came back a winner.

Sold a lamp for $25.00
Bought 2 shirts for $8.50

How much are you ahead?

You invited your girlfriend to a big dance next Friday but you need a new shirt to go with that new pair of slacks. You have a $5.00 gift certificate, but the shirt you like costs $12.99. You have to pay $ ______ extra.

T.V. Trouble.....While watching your favorite program one Friday, the TV starts flickering and faltering. A check of the tubes shows two are bad. Cost: $5.95 each, plus tax.

Bad Luck.....While a friend was over visiting, he dropped his cigarette on the chair cover and burned a hole in it. Being a polite host, you ended up paying for a new cover. $12.99 plus tax.

Slip!....You were washing your mom's good dishes and chipped one of them. You rush out to buy a replacement before your mom notices it. Cost of dish: $7.50 plus tax.

Hairy.....You wake up one morning and look in the mirror and you look like the hairy werewolf. Straight to the barber you go.

Haircut	$12.00
Tip	1.50

Mac Sport.....Since you're so rich now you treated your kid brother to lunch at Big Mac's. What an appetite! Quarter pounder, fries, shakes, drinks, dessert. Cost $7.27.

Night Watch.....While your parents were out you babysat your little sister. You made $1.50 an hour and they were gone for five hours. You earn: $ ______.

Klunk.....That used car you just bought didn't do too well when you hit that pothole in the road. That loud sound turned out to be your muffler falling off. Cost of new muffler: $28.50 plus tax.

Shine On.....You polish your car until you can see your reflection in the finish. Luckily there's no charge for the 3 hours of labor you put in, but the polish cleaner and wax cost $13.75 plus tax.

Sparkey...What are those funny sounds in your engine whenever you step on the gas pedal? Ping...ping...ping... Time for some new plugs. Cost of spark plugs: $8.45 plus tax.

Drip Drip.....Those spots on the ground under your car are not a new type of decoration; the mechanic tells you your oil is leaking and there goes some more money. Cost of repair...$21.50.

Super Sport.....Just couldn't wait to drive your friends around in your new wheels. They love your car but you pay for the gas. You buy 12 gallons of gas at $1.45 per gallon. Cost of gas: $______

Dance.....Your boyfriend has just invited you to a big dance next Friday night. You'd like to have a new blouse, though, to go with your long skirt. Cost of blouse: $12.99 plus tax.

Extra Work.....You help your dad out on the weekend at work, and he gives you $10.00. Good kid!

Doggies.....Your dog had puppies! Bad news turned out to be good news. You actually managed to sell two of them for $6.00 each and give the rest away to good homes. Your profit is $__________

Happy Birthday!....Somebody remembered your birthday, and there's a $5.00 bill in both of those cards. Money gained $________.

Slip.....You fell down some stairs at work and broke the heel off your shoe. The shoe repair bill comes to: $6.50 plus tax.

Dog Food.....While you slept, your dog chewed up one of your favorite tennis shoes. The extra holes he added were just too much; you had to buy a new pair of shoes. $15.99 plus tax.

Pictures Rated X.....Falling off your bike wasn't bad enough. The insurance company tells you that they only cover $15.00 out of the $34.00 for the X-rays. You pay the rest, $________.

Congratulations!....You found a wallet at the park on Saturday and when you returned it to the owner he offered you a reward. $15.00.

You're Hired!....Your dad wanted to take the car in for a tune-up, but you offer to do it if he buys the parts. He gladly accepts your offer. You earn: $15.00.

Ouch!....The last time you went bowling with your league team, you dropped the ball on your toe! Your doctor told you to soak your foot, so you bought a bucket ($4.25), some epsom salts ($1.69), and a heavy pair of socks to wear over your toe ($1.89), all plus tax. Total cost: $________.

Good Sport.....You go to lunch with a friend and offer to pay the check, figuring he will insist on splitting it with you. Surprise! He accepts your offer, and you're stuck with the bill. $7.22 plus tax.

Big Date.....While on a date at Disneyland you decide to splurge and buy her a big Mickey Mouse Doll. Cost of doll: $14.50 plus tax.

Whoops!....After eating lunch at Pup N' Taco, you can't find a trashcan for the paper plate. So, you drop it on the sidewalk -- right in front of a police car. Your fine: $15.00.

Showtime.....Your friend drops by and talks you into going to a show.

Ticket:	$3.50
Goodies:	$2.75

Low Blow.....While cruising around, your car slowly gets lower and lower. Then that thumping sound tells you you've got a flat. - Now where's that spare tire? Cost of repair $8.75

Streak.....Those streaky lines across your windshield didn't come with the car, they came from your blades. Buy some new windshield wiper blades and see where you're going. Cost of blades $8.95 plus tax

Good Pops.....Well your car finally needs that change of oil and a new filter, and you save up for it but then your dad treats you - he tells you not to count on it next time. Money saved $16.00

Bumpy.....That good smooth road you always drive on seems a little bumpy lately. Could it be your shock absorbers have failed you. Luckily you only need new shocks for the rear. Cost of shocks $32.50 plus tax

Paper Payoff.....Now that you have a new car - you can cash in and recycle all those stacks of papers you've been saving. Let's see...42 bundles at $.75 each equals? Money earned________

Extra Work.....A little extra work on the weekend pays off again. You worked for your uncle for 6 hours at $3.00 for each hour. Total earned $_________

Rained Out.....Too bad you got caught in the rain - without an umbrella - you ruined your new shoes... New shoes $18.75 plus tax

Yard Sale.....You put out some of your old stuff at your neighbor's yard sale. Luckily you sold...

Records	$11.00
Clothes	16.50

Total Profit ______________

Lunch Money.....Your mom surprises you and makes you lunch to take to work for a whole week. So, you save your lunch money. Money saved...$2.75 a day

Merry Xmas.....Santa came to visit late again and he left you some spending money. Merry Christmas and a Happy New Year. You Collect $17.00

Munch Madness.....You got a bit hungry and went out to McDonald's and bought yourself a "little" too much. Cost $8.37 plus tax

Bee.....While you were drinking your uncola you saw a bee inside - too late he stung you in the mouth. Off to the Doctor for some pain pills.
Cost: $17.00

No Dough.....Your boyfriend is out of money tonight so you treat.
Lucky you. Cost: $18.75

Oops!....You dropped your transistor radio and it broke. Naturally, you buy another one. Radio $10.99 plus tax.

Present.....You are invited to attend a wedding next Saturday. You go in with several friends to buy a nice present. Your share: $4.35 plus tax.

Pop!....There goes a run in your last pair of panty hose. But you are in luck -- Sears has a sale on panty hose this week. The price is 2 pairs for $2.75. You buy 4 pairs, plus tax.

Groan.....The girl you took to the movies last Saturday turned out to have a big appetite.

4 bags of popcorn, 65¢ a bag
3 cokes, 60¢ a coke
2 candy bars, 50¢ a bar, plus tax
How much did you spend on her?

That's a Friend?....Your "friend" returns a favorite record of yours and when you play it, you realize that it is badly scratched. You have to buy a new record - and lose a friend. Cost: $7.95 plus tax.

Phone Bill!....You talk to a friend who moved to the state of Washington. When the bill comes, you have to pay for that call. Your call: $7.28.

Smash!....Your enthusiasm for baseball disappeared just as quickly as your neighbor's window did, when your baseball crashed through it. Luckily, it was just a small window. $12.99 plus tax

Ring.....Remember that ring you gave that ex-girlfriend? She "forgot" to return it when you started to date your present girlfriend. Naturally you want to give your present girlfriend a ring. Ring: $18.99 plus tax.

Too Bad.....While you were gone camping last weekend, the furnance overheated your house and killed all your indoor plants. Since you are a plant freak, you rushed right out and bought two new ones at a cost of $6.95 each plus tax.

Book.....You lost a book that you borrowed from your friend. When you go to the bookstore, you find another book that you buy for yourself.

Your friend's book:	$4.95
Your book:	$5.75

Both plus tax

Locked Out!....You lost your keys but, thank goodness, your mom was home to let you in the house. Now you have to get a key chain and duplicate keys.

Key chain, $3.75
4 keys, $1.15
All plus tax

Bowie.....You were in Hollywood to buy a poster of David Bowie and all of a sudden you bumped into him and he gave you a free poster. So you saved your money. Saved: $4.00 plus tax

World Record.....You tried for the world record burrito eating contest and after 15 burritos you had to rush to the doctor to have your stomach pumped. Doctor Cost $22.00

Burp.....You ate too much candy Trick or Treating - buy a bottle of Pepto Bismal. Cost: $5.99 plus tax

Munch, Munch.....While you slept, your dog chewed up one of your favorite tennis shoes. The extra holes he added were just too much. You had to buy a new pair of shoes. Cost: $21.50 plus tax

Good Pool.....You finally win the local football pool at work. Lucky you! You won $20.00

Chew-On.....Sav-on has candy bars at 2/45¢ and gum for 2/55¢. You bought 12 candy bars and 6 packs of gum. Your aching jaws!!!
Total Cost: $ plus tax

PAYDAY SALARY SCALE - $3.70 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.70%	STATE 2.14%	FEDERAL 9.18%	SDI 1.00%	NET PAY
5	40	0	40	148.00	9.92	3.17	13.59	1.48	119.84
5	40	1	39	144.30	9.67	3.09	13.25	1.44	116.85
5	40	2	38	140.60	9.42	3.01	12.91	1.41	113.85
4	32	0	32	118.40	7.93	2.53	10.87	1.18	95.89
4	32	1	31	114.70	7.68	2.45	10.53	1.15	92.89
4	32	2	30	111.00	7.44	2.38	10.19	1.11	89.88
3	24	0	24	88.80	5.95	1.90	8.15	.89	71.91
3	24	1	23	85.10	5.70	1.82	7.81	.85	68.92
3	24	2	22	81.40	5.45	1.74	7.47	.81	65.93
2	16	0	16	59.20	3.97	1.27	5.43	.59	47.94
2	16	1	15	55.50	3.72	1.19	5.09	.56	44.94
2	16	2	14	51.80	3.47	1.11	4.76	.52	41.94
1	8	0	8	29.60	1.98	.63	2.72	.30	23.97
1	8	1	7	25.90	1.74	.55	2.38	.26	20.97

PAYDAY SALARY SCALE - $4.00 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.7%	STATE 2.28%	FEDERAL 9.90%	SDI 1.00$	NET PAY
5	40	0	40	160.00	10.72	3.65	15.84	1.60	128.19
5	40	1	39	156.00	10.45	3.56	15.44	1.56	124.99
5	40	2	38	152.00	10.18	3.47	15.05	1.52	121.78
4	32	0	32	128.00	8.58	2.92	12.67	1.28	102.55
4	32	1	31	124.00	8.31	2.83	12.28	1.24	99.34
4	32	2	30	120.00	8.04	2.74	11.88	1.20	96.14
3	24	0	24	96.00	6.43	2.19	9.50	.96	76.92
3	24	1	23	92.00	6.16	2.10	9.11	.92	73.71
3	24	2	22	88.00	5.90	2.01	8.71	.88	70.50
2	16	0	16	64.00	4.29	1.46	6.34	.64	51.27
2	16	1	15	60.00	4.02	1.37	5.94	.60	48.07
2	16	2	14	56.00	3.75	1.28	5.54	.56	44.87
1	8	0	8	32.00	2.14	.73	3.17	.32	25.64
1	8	1	7	28.00	1.88	.64	2.77	.28	22.43

PAYDAY SALARY SCALE - $4.50 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.70%	STATE 2.51%	FEDERAL 10.91%	SDI 1.00%	NET PAY
5	40	0	40	180.00	12.06	4.52	19.64	1.80	141.98
5	40	1	39	175.50	11.76	4.41	19.15	1.76	138.42
5	40	2	38	171.00	11.46	4.29	18.66	1.71	134.88
4	32	0	32	144.00	9.65	3.61	15.71	1.44	113.59
4	32	1	31	139.50	9.35	3.50	15.22	1.40	110.03
4	32	2	30	135.00	9.05	3.39	14.73	1.35	106.48
3	24	0	24	108.00	7.24	2.71	11.78	1.08	85.19
3	24	1	23	103.50	6.93	2.60	11.29	1.04	81.64
3	24	2	22	99.00	6.63	2.48	10.80	.99	78.10
2	16	0	16	72.00	4.82	1.81	7.86	.72	56.79
2	16	1	15	67.50	4.52	1.69	7.36	.68	53.25
2	16	2	14	63.00	4.22	1.58	6.87	.63	49.70
1	8	0	8	36.00	2.41	.90	3.93	.36	28.40
1	8	1	7	31.50	2.11	.79	3.44	.32	24.84

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PAYDAY SALARY SCALE - $5.00 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.70%	STATE 2.76%	FEDERAL 11.82%	SDI 1.00%	NET PAY
5	40	0	40	200.00	13.40	5.52	23.64	2.00	155.44
5	40	1	39	195.00	13.07	5.38	23.05	1.95	151.55
5	40	2	38	190.00	12.73	5.24	22.46	1.90	147.67
4	32	0	32	160.00	10.72	4.42	18.91	1.60	124.35
4	32	1	31	155.00	10.39	4.28	18.32	1.55	120.46
4	32	2	30	150.00	10.05	4.14	17.73	1.50	116.58
3	24	0	24	120.00	8.04	3.31	14.18	1.20	93.27
3	24	1	23	115.00	7.71	3.17	13.59	1.15	89.38
3	24	2	22	110.00	7.37	3.04	13.00	1.10	85.49
2	16	0	16	80.00	5.36	2.21	9.46	.80	62.17
2	16	1	15	75.00	5.03	2.07	8.87	.75	58.28
2	16	2	14	70.00	4.69	1.93	8.27	.70	54.41
1	8	0	8	40.00	2.68	1.10	4.73	.40	31.09
1	8	1	7	35.00	2.35	.97	4.14	.35	27.19

PAYDAY SALARY SCALE - $5.50 PER HOUR

DAYS	HOURS	LATE	TOTOL	GROSS PAY	FICA 6.70%	STATE 3.00%	FEDERAL 12.65%	SDI 1.00%	NET PAY
5	40	0	40	220.00	14.74	6.60	27.83	2.20	168.63
5	40	1	39	214.50	14.37	6.44	27.13	2.15	164.41
5	40	2	38	209.00	14.00	6.27	26.44	2.09	160.20
4	32	0	32	176.00	11.79	5.28	22.26	1.76	134.91
4	32	1	31	170.50	11.42	5.12	21.57	1.71	130.68
4	32	2	30	165.00	11.06	4.95	20.87	1.65	126.45
3	24	0	24	132.00	8.84	3.96	16.70	1.32	101.18
3	24	1	23	126.50	8.48	3.80	16.00	1.27	96.95
3	24	2	22	121.00	8.11	3.63	15.31	1.21	92.74
2	16	0	16	88.00	5.90	2.64	11.13	.88	67.45
2	16	1	15	82.50	5.53	2.48	10.44	.83	63.22
2	16	2	14	77.00	5.16	2.31	9.74	.77	59.02
1	8	0	8	44.00	2.95	1.32	5.57	.44	33.72
1	8	1	7	38.50	2.58	1.16	4.87	.39	29.10

PAYDAY SALARY SCALE - $6.00 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.70%	STATE 3.25%	FEDERAL 13.41%	SDI 1.00%	NET PAY
5	40	0	40	240.00	16.08	7.80	32.18	2.40	181.54
5	40	1	39	234.00	15.68	7.61	31.38	2.34	176.99
5	40	2	38	228.00	15.28	7.41	30.57	2.28	172.46
4	32	0	32	192.00	12.86	6.24	25.75	1.92	145.23
4	32	1	31	186.00	12.46	6.05	24.94	1.86	140.69
4	32	2	30	180.00	12.06	5.85	24.14	1.80	136.15
3	24	0	24	144.00	9.65	4.68	19.31	1.44	108.92
3	24	1	23	138.00	9.25	4.49	18.51	1.38	104.37
3	24	2	22	132.00	8.84	4.29	17.70	1.32	99.85
2	16	0	16	96.00	6.43	3.12	12.87	.96	72.62
2	16	1	15	90.00	6.03	2.93	12.07	.90	68.07
2	16	2	14	84.00	5.63	2.73	11.26	.84	63.54
1	8	0	8	48.00	3.22	1.56	6.44	.46	36.32
1	8	1	7	42.00	2.81	1.37	5.63	.42	31.77

PAYDAY SALARY SCALE - $6.50 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.70%	STATE 3.50%	FEDERAL 14.22%	SDI 1.00%	NET PAY
5	40	0	40	260.00	17.42	9.10	36.97	2.60	193.91
5	40	1	39	253.50	16.98	8.87	36.05	2.54	189.06
5	40	2	38	247.00	16.55	8.65	35.12	2.47	184.21
4	32	0	32	208.00	13.94	7.28	29.58	2.08	155.12
4	32	1	31	201.50	13.50	7.05	28.65	2.02	150.28
4	32	2	30	195.00	13.07	6.83	27.73	1.95	145.42
3	24	0	24	156.00	10.45	5.46	22.18	1.56	116.35
3	24	1	23	149.50	10.02	5.23	21.26	1.50	111.49
3	24	2	22	143.00	9.58	5.01	20.33	1.43	106.65
2	16	0	16	104.00	6.97	3.64	14.79	1.04	77.56
2	16	1	15	97.50	6.53	3.41	13.86	.98	72.72
2	16	2	14	91.00	6.10	3.19	12.94	.91	67.86
1	8	0	8	52.00	3.48	1.82	7.39	.52	38.79
1	8	1	7	45.50	3.05	1.59	6.47	.46	33.93

PAYDAY SALARY SCALE - $7.00 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.70%	STATE 3.75%	FEDERAL 14.94%	SDI 1.00%	NET PAY
5	40	0	40	280.00	18.76	10.50	41.83	2.80	206.11
5	40	1	39	273.00	18.29	10.24	40.79	2.73	200.95
5	40	2	38	266.00	17.82	9.98	39.74	2.66	195.80
4	32	0	32	224.00	15.01	8.40	33.47	2.24	164.88
4	32	1	31	217.00	14.54	8.14	32.42	2.17	159.73
4	32	2	30	210.00	14.07	7.88	31.37	2.10	154.58
3	24	0	24	168.00	11.26	6.30	25.10	1.68	123.66
3	24	1	23	161.00	10.79	6.04	24.05	1.61	118.51
3	24	2	22	154.00	10.32	5.78	23.01	1.54	113.35
2	16	0	16	112.00	7.50	4.20	16.73	1.12	82.45
2	16	1	15	105.00	7.04	3.94	15.69	1.05	77.28
2	16	2	14	98.00	6.57	3.68	14.64	.98	72.13
1	8	0	8	56.00	3.75	2.10	8.37	.56	41.22
1	8	1	7	49.00	3.28	1.84	7.32	.49	36.07

PAYDAY SALARY SCALE - $7.50 PER HOUR

DAYS	HOURS	LATE	TOTAL	GROSS PAY	FICA 6.70%	STATE 4.00%	FEDERAL 15.68%	SDI 1.00%	NET PAY
5	40	0	40	300.00	20.10	12.00	47.04	3.00	217.86
5	40	1	39	292.50	19.60	11.70	45.86	2.93	212.41
5	40	2	38	285.00	19.10	11.40	44.69	2.85	206.96
4	32	0	32	240.00	16.08	9.60	37.63	2.40	174.29
4	32	1	31	232.50	15.58	9.30	36.38	2.33	168.91
4	32	2	30	225.00	15.08	9.00	35.28	2.25	163.39
3	24	0	24	180.00	12.06	7.20	28.22	1.80	130.72
3	24	1	23	172.50	11.56	6.90	27.05	1.73	125.26
3	24	2	22	165.00	11.06	6.60	25.87	1.65	119.82
2	16	0	16	120.00	8.04	4.80	18.82	1.20	87.14
2	16	1	15	112.50	7.54	4.50	17.64	1.13	81.69
2	16	2	14	105.00	7.04	4.20	16.46	1.05	76.25
1	8	0	8	60.00	4.02	2.40	9.41	.60	43.57
1	8	1	7	52.50	3.52	2.10	8.23	.53	38.12

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Bar Graph Test 2 . . . . TP 9-10

Payday Test 1 . . . . TP 11-12

Bar Graph Test 3 . . . . TP 13-15

Payday Test 2 . . . . TP 16-17

Payday Test 3 . . . . TP 18-20

Wage and Tax Statement Test . . . . TP 21-22

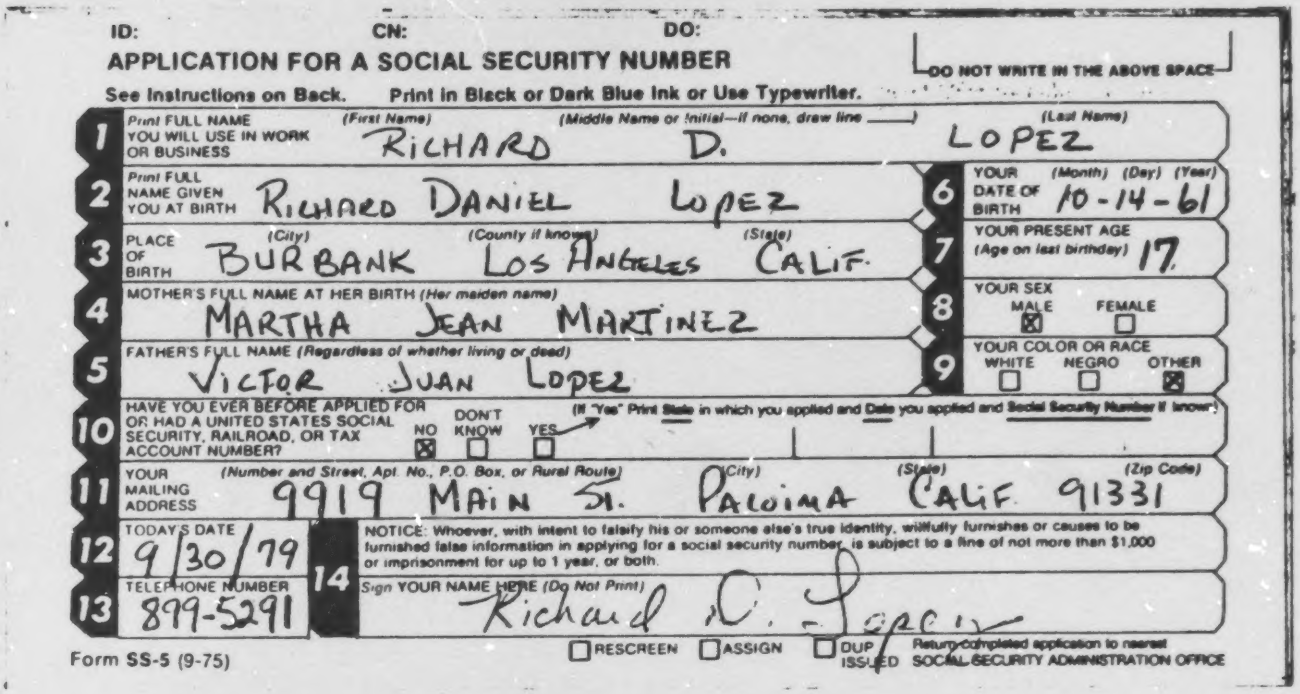
1040A Worksheet Test . . . . TP 23-24

Answer keys follow the tests.

SOCIAL SECURITY APPLICATION TEST

Name ____________________

Date ____________ Period ________



ID: CN: DO:

APPLICATION FOR A SOCIAL SECURITY NUMBER

DO NOT WRITE IN THE ABOVE SPACE

See Instructions on Back. Print in Black or Dark Blue Ink or Use Typewriter.

1 Print FULL NAME YOU WILL USE IN WORK OR BUSINESS (First Name) RICHARD (Middle Name or Initial—if none, draw line ——) D. (Last Name) LOPEZ

2 Print FULL NAME GIVEN YOU AT BIRTH RICHARD DANIEL LOPEZ

3 PLACE OF BIRTH (City) BURBANK (County if known) LOS ANGELES (State) CALIF.

4 MOTHER'S FULL NAME AT HER BIRTH (Her maiden name) MARTHA JEAN MARTINEZ

5 FATHER'S FULL NAME (Regardless of whether living or dead) VICTOR JUAN LOPEZ

6 YOUR DATE OF BIRTH (Month) (Day) (Year) 10-14-61

7 YOUR PRESENT AGE (Age on last birthday) 17

8 YOUR SEX MALE ☒ FEMALE ☐

9 YOUR COLOR OR RACE WHITE ☐ NEGRO ☐ OTHER ☒

10 HAVE YOU EVER BEFORE APPLIED FOR OR HAD A UNITED STATES SOCIAL SECURITY, RAILROAD, OR TAX ACCOUNT NUMBER? NO ☒ DON'T KNOW ☐ YES ☐ (If "Yes" Print State in which you applied and Date you applied and Social Security Number if known)

11 YOUR MAILING ADDRESS (Number and Street, Apt. No., P.O. Box, or Rural Route) 9919 MAIN ST. (City) PALOIMA (State) CALIF (Zip Code) 91331

12 TODAY'S DATE 9/30/79

13 TELEPHONE NUMBER 899-5291

NOTICE: Whoever, with intent to falsify his or someone else's true identity, willfully furnishes or causes to be furnished false information in applying for a social security number, is subject to a fine of not more than $1,000 or imprisonment for up to 1 year, or both.

14 Sign YOUR NAME HERE (Do Not Print) Richard D. Lopez

Form SS-5 (9-75)

☐ RESCREEN ☐ ASSIGN ☐ DUP ISSUED

Return completed application to nearest SOCIAL SECURITY ADMINISTRATION OFFICE

Directions: Study the Social Security application above and use the information to answer the following questions. Only one answer is correct.

1. When filling out a Social Security card, you must _______.

   A. print B. write C. type D. print or type

2. In what month was Richard born?

   A. August B. October C. November D. September

3. In what month did Richard fill out the application?

   A. August B. October C. September D. November

4. What does confidential mean?

   A. secret B. government C. money D. airlines

5. What color(s) of ink must you use when filling out the application?

   A. blue B. red C. black D. blue or black

SOCIAL SECURITY APPLICATION TEST

6. How many digits are in a Social Security number?

A. 9 B. 8 C. 7 D. 6

7. How old was Richard when he filled out this application?

A. 18 B. 16 C. 19 D. 17

8. What is the major benefit of Social Security?

A. savings B. retirement C. taxes D. children

9. Which of these is not proof of age?

A. birth certificate
B. signed note from parents
C. school record
D. marriage record

10. Normally you should get a Social Security card ______________________.

A. before you get a job
B. anytime during the job
C. after you get a job
D. on weekends

11. Can lines 1 and 2 be different? ______

Why? ____

12. Why is Richard's mother's name (line 4) different from Richard's?

____

13. True or False. Only people born in the United States may have Social Security cards. ________

14. What should you do if you lose your card? ______________________

____

15. True or False. You may print your name on line 14. ________________

JOB APPLICATION TEST

Name__________________________________

Date___________________Period_________

Directions: Use the completed job application to answer the questions below.

1. How old is Joe?

   A. 20 B. 18 C. 19 D. 16

2. Joe had an operation on his__________________________.

   A. back B. elbow C. knee D. head

3. How many total years did Joe go to school?

   A. 12 B. 6 C. 3 D. 9

4. Joe is going to be the________________________________.

   A. employee B. employer C. bus boy D. student

5. What year did Joe graduate from San Fernando High School?

   A. 1973 B. 1976 C. 1960 D. 1979

6. What year did Joe start Telfair Elementary?

   A. 1973 B. 1969 C. 1979 D. 1967

7. How long ago did Joe have his knee operation?

   A. 1 year B. 1 month C. two years D. two months

8. How long was Joe a bus boy?

   A. 1 year B. 1 year 1 month C. 1 year 2 months D. 1 year 3 months

9. If Joe worked as a bus boy at Wendy's for 5 hours, what would his gross pay be?

   A. $15.50 B. $16.50 C. $17.50 D. $3.55

10. How long would Joe have to work as a bus boy to earn $38.50?

    A. 1 hour B. 8 hours C. 7 1/2 hours D. 11 hours

11. How many personal references does Joe list?

    A. 1 B. 2 C. 3 D. 4

12. What was the name of Joe's previous supervisor?

    A. Ms. French B. Mr. Gomez C. Mr. Johnson D. Mr. Harris

JOB APPLICATION TEST

APPLICATION FOR EMPLOYMENT

(Please print information requested)

Date October 6 19 79

Name Hernandez (Last) Joseph (First) Edward (Middle) Soc. Sec. No. 549 - 60 - 1587

Address 10416 Laurel Canyon Blvd. (Number Street) Pacoima, (City) CA (State) 91331 (Zip)

Telephone No. 765-4321 Date of Birth December 16, 1960 Sex [✓ M] F

APPLICANT'S STATEMENT OF PHYSICAL CONDITION

Do you wear glasses? Yes [✓ No] Do you wear contact lenses? Yes [✓ No]

Do you have any physical defects or ailments? Yes [✓ No]

If yes, explain ______________
hernia, heart trouble, or high blood pressure, etc.

List any serious illnesses, operations, accidents, or nervous disorders you had during the last 5 years. 10/77 knee operation - football

Have you ever had a knee, head, or back injury? [✓ Yes] No

In case of emergency notify Mr. or Mrs. Jose Hernandez (Name) Parents (Relationship)

10416 Laurel Canyon Blvd., Pacoima, CA (Address) 765-4321 (Telephone No.)

EDUCATION

School	No. of Years	Date Left	Name of School	City/State	Graduate Yes No
Grammar	6	1973	Telfair Elementary	Pacoima, CA	Yes
Jr. High	3	1976	Pacoima Jr. H.S.	Pacoima, CA	Yes
Sr. High	3	1979	San Fernando H.S.	San Fernando, CA	Yes
College					
Other					

MILITARY SERVICE

From __________ to __________ __________ (Rate or Rank) __________ (Type of Discharge)

Present Classification __________ Special Training __________

JOB APPLICATION TEST

EMPLOYMENT RECORD

(Begin with current or most recent)

Wendy's	Woodman Ave.	Van Nuys	CA	91402
Name of Company	Street	City	State	Zip

Telephone No. 894-9813 Job Title bus boy

Supervisor's Name Mr. Johnson From 6/78 To 9/79

Mo. Yr. Mo. Yr.

Reason for leaving only part time job Salary $3.50

Name of Company	Street	City	State	Zip

Telephone No. Job Title

Supervisor's Name From To

Mo. Yr. Mo. Yr.

Reason for leaving Salary $

Name of Company	Street	City	State	Zip

Telephone No. Job Title

Supervisor's Name From To

Mo. Yr. Mo. Yr.

Reason for leaving Salary $

PERSONAL REFERENCES

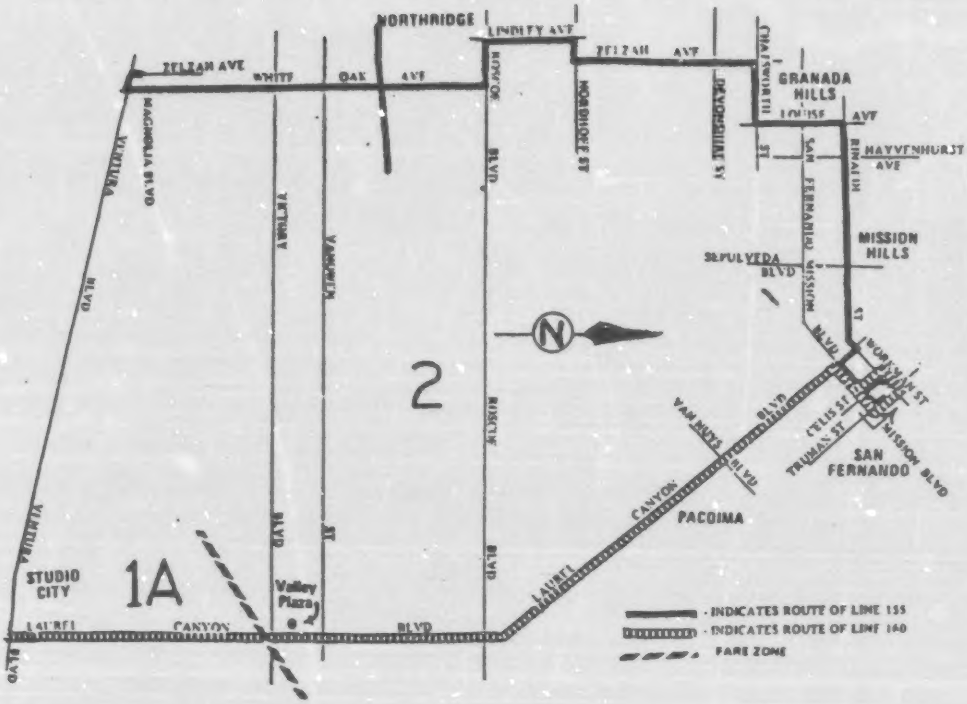
(Not a relative or former employer)

Name	Street City State Zip	Telephone No.	Years known	Occupation
Mr. Harris	91331 Laurel Cyn. Blvd., Pacoima, CA	899-5291	6	teacher
Mr. Gomez	Osborne St., Pacoima, CA 91331	899-5021	4	police officer
Ms. French	91340 O'Melveny St., San Fernando, CA	899-1200	3	H.S. counselor

BUS SCHEDULE TEST

Name______________________________

Date____________________Period_______


NORTHRIDGE
LINDLEY AVE
ZELZAH AVE
WHITE OAK AVE
GRANADA HILLS
LOUISE AVE
HAYVENHURST AVE
MISSION HILLS
SEPULVEDA BLVD
SAN FERNANDO MISSION BLVD
N
2
VAN NUYS BLVD
CELIS ST
TRUMAN ST
MISSION BLVD
SAN FERNANDO
PACOIMA
LAUREL CANYON BLVD
STUDIO CITY
1A
Valley Plaza
INDICATES ROUTE OF LINE 155
INDICATES ROUTE OF LINE 160
FARE ZONE

SOUTH ON LAUREL CANYON
VIA LINE 160

Ar–Lv San Fernando (Truman St. & Mission Blvd.)	Lv Pacoima (Laurel Canyon & Van Nuys Blvds.)	Lv Laurel Canyon & Roscoe Blvds.	Lv Valley Plaza (Laurel Canyon & Victory blvds.)	Ar Studio City (Laurel Canyon & Ventura Blvds.)
1046	1057	1106	1114	1125
1106	1117	1126	1134	1145
1126	1137	1146	1154	1205PM
1146	1157	1206PM	1214PM	1225
1206PM	1217PM	1226	1234	1245

Directions: Study the bus route and schedule above. Use this information to answer the following questions.

1. On this map, which direction is north?

   A. up B. down C. left D. right

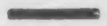
2. On this map, which direction is west?

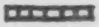
   A. up B. down C. left D. right

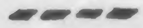
TP6

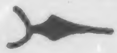
BUS SCHEDULE TEST

3. Which drawing below indicates the bus line that runs south on Laurel Canyon?

A. 

B. 

C. 

D. 

4. Via means____________________.

A. vehicles in actions
B. by way of
C. "long live" in Spanish
D. veterans in America

5. Ar means____________________.

A. around B. arrive C. arrange D. arise

6. Lv means____________________.

A. leave B. love C. levi D. level

Using the above timetable, find how much time you would spend on the bus if you left:

7. San Fernando at 10:46 and got off at Pacoima?

A. 9 min B. 11 min C. 20 min D. 39 min

8. Pacoima at 11:17 and got off at Laurel Canyon and Roscoe?

A. 11 min B. 17 min C. 9 min D. 28 min

9. Valley Plaza at 11:54 and got off at Studio City?

A. 1 hour 11 min B. 9 min C. 20 min D. 11 min

10. Pacoima at 11:57 and got off at Valley Plaza?

A. 17 min B. 9 min C. 11 min D. 20 min

11. If you missed the 11:46 bus in San Fernando, how long would you have to wait for the next bus?

A. 9 min B. 20 min C. 11 min D. 13 min

12. A complete trip from San Fernando to Studio City would take how long?

A. 1 hour 19 min B. 39 min C. 31 min D. 45 min

BAR GRAPH TEST 1

Name______________________________

Date________________Period_______

Directions: Use the amounts from your latest "Record of Expenses" form to fill in the blanks on the side. Then shade in the bar graph. Each dark line indicates $5; each small mark at the bottom equals $1.

Room & Board
$_______

Trans.
$_______

Coffee Breaks
$_______

Lunches
$_______

Clothing
$_______

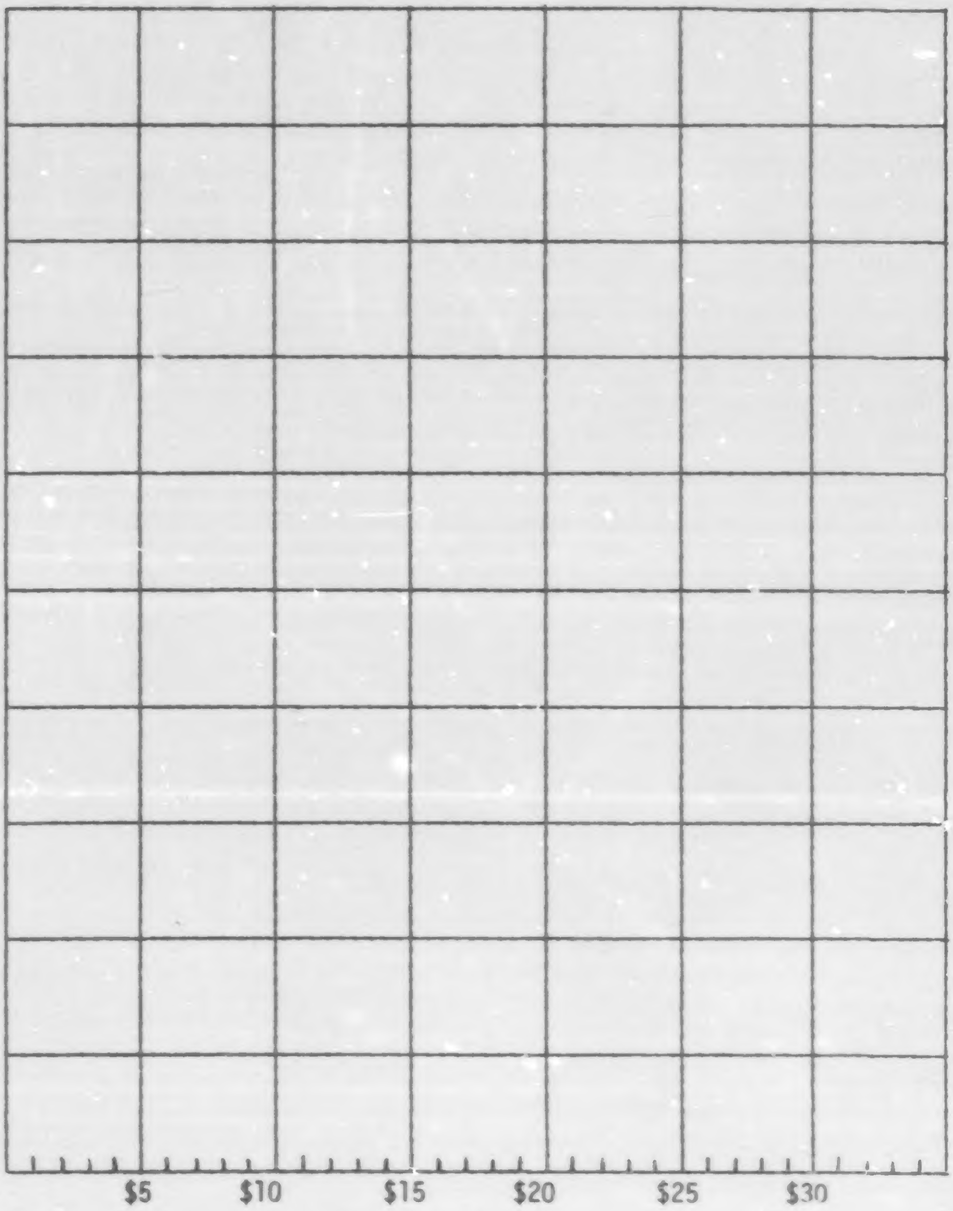
Enter. & Rec.
$_______

Personal Care
$_______

Misc.
$_______

Chance Cards
$_______

Savings
$_______

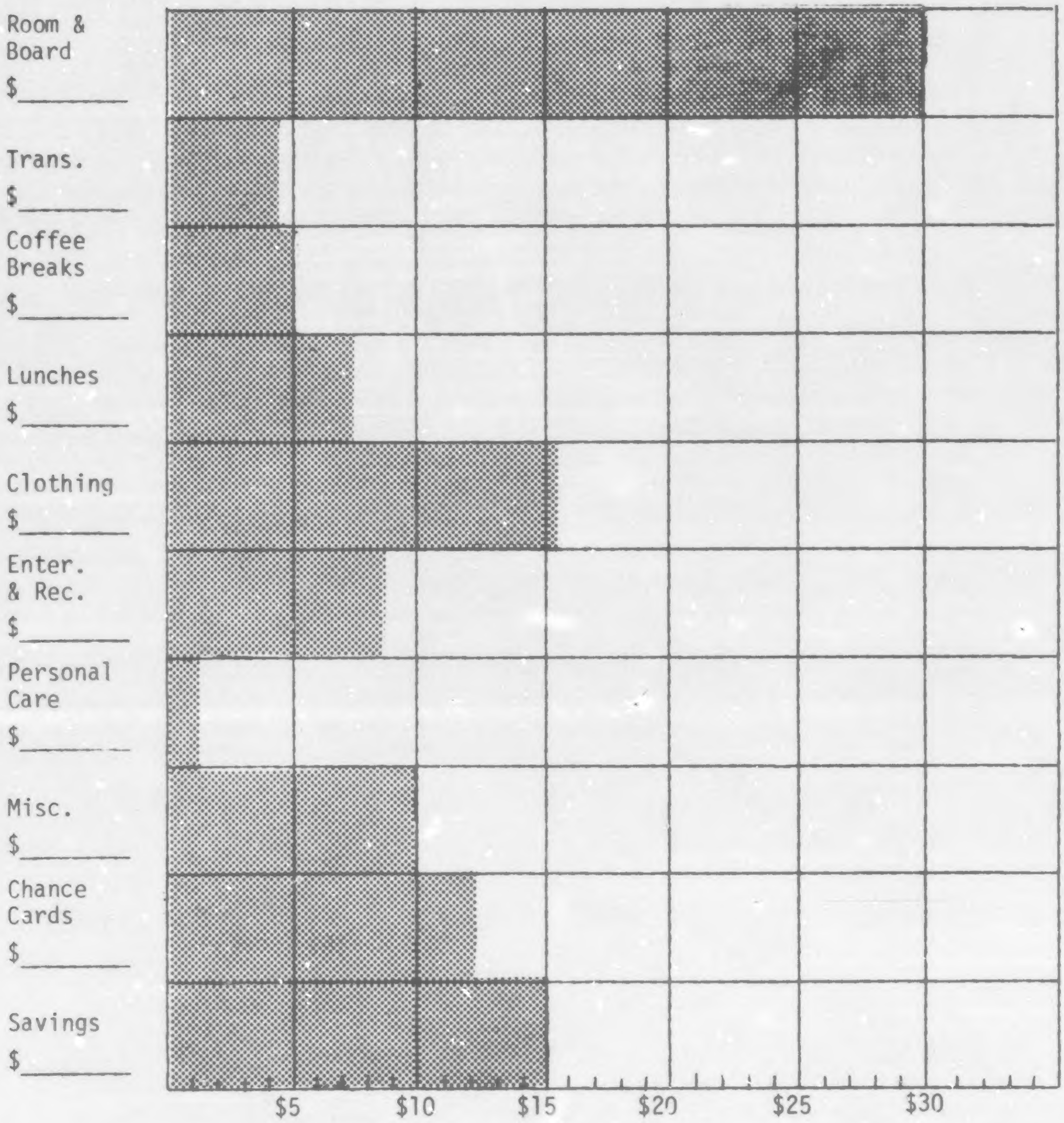


BAR GRAPH TEST 2

Name________________________________

Date__________________Period________

Directions: Use the bar graph to fill in the blanks on the side. Then use the completed bar graph to answer the questions on the next page.



BAR GRAPH TEST 2

1. Each one of the boxes represents how much money?

A. $10 B. $1 C. $5 D. $30

2. Each small mark at the bottom represents how much money?

A. $10 B. $1 C. $5 D. $30

3. What is the most expensive item?

A. room and board C. personal care
B. savings D. miscellaneous

4. What is the least expensive item?

A. transportation C. personal care
B. lunches D. clothing

5. Which amount is closest to the transportation cost?

A. 90¢ B. $5.50 C. $2.50 D. $4.50

6. Which amount is closest to the personal care cost?

A. $1.50 B. $3.25 C. 50¢ D. $5.00

7. Which expense is equal to twice the savings?

A. entertainment and recreation C. coffee breaks
B. room and board D. personal care

8. Which expense is equal to half the miscellaneous expense?

A. personal care C. transportation
B. clothing D. coffee breaks

9. Which expense is the same as three times the miscellaneous expense?

A. personal care C. room and board
B. coffee breaks D. savings

10 How many weeks of coffee breaks are equal to one week of room and board?

A. 5 B. 4 C. 6 D. 3

11. Which total is closest to the total expenses?

A. $110.00 B. $100.00 C. $90.00 D. $125.00

PAYDAY TEST 1

Name________________________________

Date________________Period________

Directions: The attached "Record of Expenses" form is partially filled out. Complete and balance this form, using the information already on it and facts given below. Be sure you add the sales tax to the cost of the items for clothing, personal care, and chance card. You may use your sales tax chart for this test. Don't forget to do the checklist.

Robert purchased a pair of pants for $15.99 plus tax and bought a tube of toothpaste which cost $1.49 plus tax. For his miscellaneous entry he received a bonus of $2 for each homework assignment he returned that week. Robert has turned in 3 assignments.

Robert's net pay for the week was $91.69. His chance card read:

> Bad luck....while a friend was over visiting, he dropped his cigarette on the chair cover and burned a hole in it. Being a polite host, you end up paying for a new cover.
>
> Cost: $12.99 plus tax

PAYDAY TEST 1
RECORD OF EXPENSES #1

Name Robert B

Period

Balance Forward		+	$183.20
Room and Board	per week: $30		
P	Bal:		
Transportation Expense	per day: $1.10		
P	Bal:		
Coffee Breaks	per day: $1.75		
P	Bal:		
Lunches	per day: $2.80		
P	Bal:		
Clothing	item: Pants		
S	Bal:		
Entertainment, Recreation	for: Magic Mountain	-	13.50
P	Bal:		
Personal Care	for: toothpaste		
S	Bal:		
Miscellaneous	for:		
P	Bal:		
Chance Cards	for: chaircover		
P	Bal:		
Savings Account		-	55.00
P	Bal		
Net Pay (From Salary Record)			

Week ending: 10/28
Pay rate: $3.50
Number of days worked: 4

CHECKLIST

Income (+)	Expenses (-)

FINAL BALANCE ↔

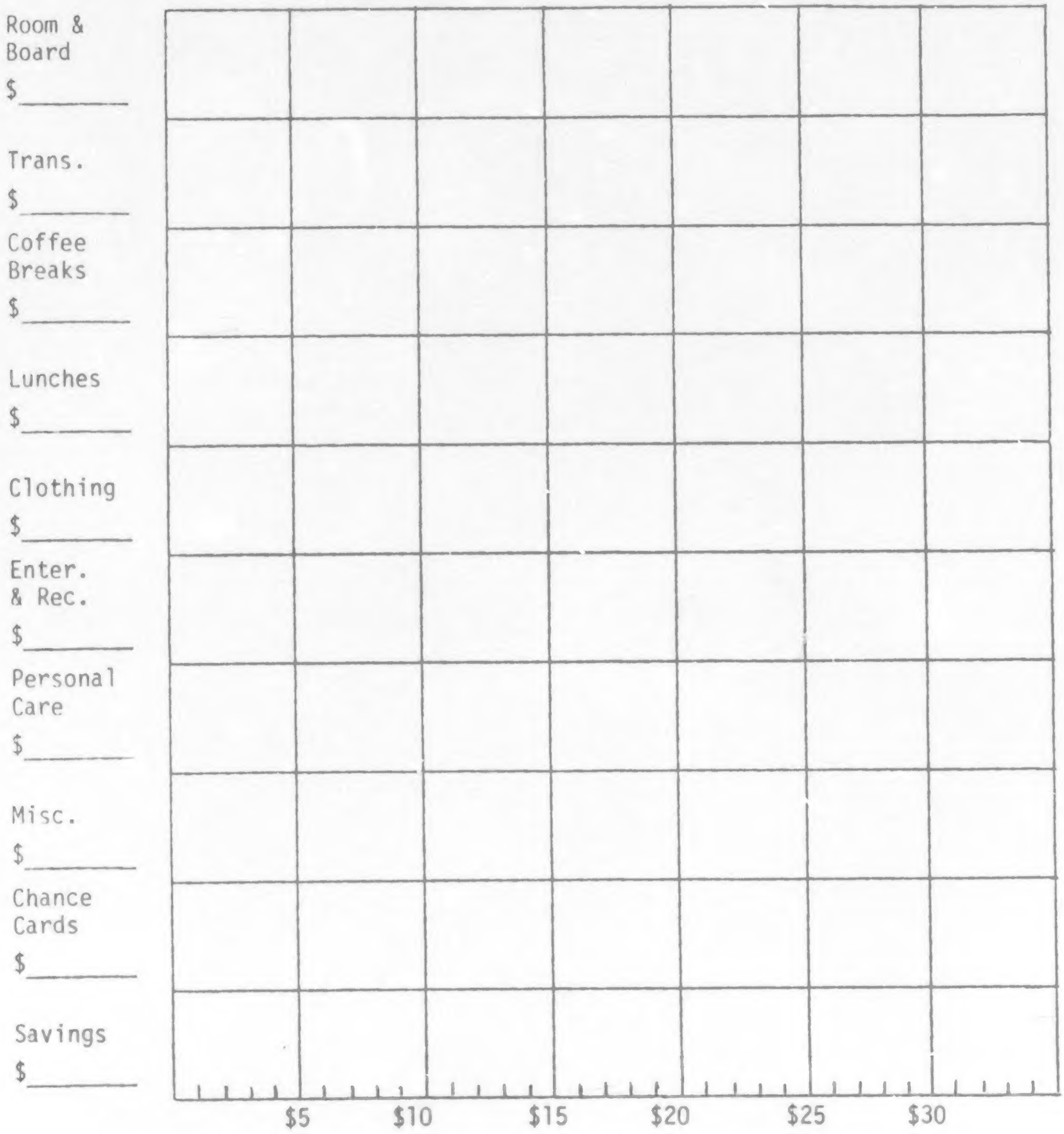
TP12

BAR GRAPH TEST 3

Name________________________________

Date________________Period________

Directions: First complete Juan's "Record of Expenses" form. Use the information from the finished form to fill in the blanks on the side of the graph below. Then shade in the bar graph. Finally use the two forms to answer the questions on the last page.



BAR GRAPH TEST 3
RECORD OF EXPENSES #1

Name Juan Period ___

Week ending: 11/22
Pay rate: $3.50
Number of days worked: 5

CHECKLIST

Income (+)	Expenses (-)

Balance Forward		+	$129.33
Room and Board	per week: $30	-	30.00
P	Bal:		
Transportation Expense	per day: $1.10	-	
P	Bal:		
Coffee Breaks	per day: $1.50	-	
P	Bal:		
Lunches	per day: $2.25	-	
P	Bal:		
Clothing	item: shirt	-	15.96
S	$14.99 Bal:		
Entertainment, Recreation	for: Disneyland	-	22.50
P	Bal:		
Personal Care	for: deodorant	-	1.86
S	$1.75 Bal:		
Miscellaneous	for: birthday card	-	1.07
P	$1.00 Bal:		
Chance Cards	for: record	-	6.26
P	$5.88 Bal:		
Savings Account		-	15.00
P	Bal		
Net Pay (From Salary Record)		+	114.62

FINAL BALANCE ↔

BAR GRAPH TEST 3

1. What is the least expensive item?

   A. personal care
   B. miscellaneous
   C. transportation
   D. coffee breaks

2. How many expenses are under $5?

   A. 2   B. 4   C. 3   D. 4

3. How many expenses are over $15?

   A. 5   B. 4   C. 3   D. 6

4. What are Juan's total expenses?

   A. $114.62   B. $116.90   C. $129.33   D. $127.05

5. What is Juan's total income?

   A. $243.95   B. $114.62   C. $129.33   D. $127.05

6. What is Juan's final balance?

   A. $127.05   B. $129.33   C. $114.62   D. $128.05

7. What is the largest expense?

   A. savings
   B. entertainment
   C. food
   D. room and board

8. The amount of money spent on food (lunches and coffee breaks) would be closest to the amount for:

   A. clothing
   B. savings
   C. entertainment
   D. room and board

9. If Juan did not have to pay room and board this week, how many more records could he buy?

   A. 6   B. 5   C. 7   D. 4

10. The amount for savings is_________of room and board.

    A. 1/4   B. 1/2   C. 2/3   D. 3/8

11. Which expense is equal to 50% of the Disneyland trip?

    A. lunches
    B. food
    C. entertainment, recreation
    D. clothing

12. Next week Juan wants to triple the saving account. How much money will he put in the bank?

    A. $5   B. $.45   C. $45   D. $30

13. The following week the record store had a "1/3 off" sale. How much would the price of the same record be during the sale, before tax? (see "Chance Cards")

    A. $5   B. $.45   C. 2.94   D. $6.40

PAYDAY TEST 2

Name______________________________

Date__________________ Period______

Directions: This quiz will test your ability to complete a "Record of Expenses" form accurately. Complete the attached worksheet ("Record of Expenses #1") for the situations described below. Be sure to include your checklist calculations to verify that your final balance is correct.

Carla works at a department store and today is payday. She worked all five days and was never late, so her net pay is $142.33. Her balance forward from last week is $127.45.

Carla had many expenses for this week. She pays her mother $35 per week while she lives at home (room and board), each day her roundtrip bus fare to work costs $1.10. This week she spent an average of $3.15 each day for lunch and $1.85 daily for coffee breaks.

Carla went shopping and purchased a new blouse for $17.95 (plus sales tax), and went to the movies, which cost her $4.50. Her personal care purchase for the week was a bottle of shampoo for $1.69 (plus sales tax). Her miscellaneous expense was a birthday gift to her brother which cost $8.00. A friend of hers returned the $7.00 she had borrowed (chance card) and Carla had enough money left to put $26.50 in her savings account.

PAYDAY TEST 2
RECORD OF EXPENSES #1

Name Carla Period ____

Balance Forward		
Room and Board P	per week: Bal:	
Transportation Expense P	per day: Bal:	
Coffee Breaks P	per day: Bal:	
Lunches P	per day: Bal:	
Clothing S	item: Bal:	
Entertainment, Recreation P	for: Bal:	
Personal Care S	for: Bal:	
Miscellaneous P	for: Bal:	
Chance Cards P	for: Bal:	
Savings Account P	Bal	
Net Pay (From Salary Record)		

Week ending: 1/11
Pay rate: $4.50
Number of days worked: ____

CHECKLIST

Income (+)	Expenses (-)

FINAL BALANCE ↔

PAYDAY TEST 3

Name______________________________

Date________________Period______

Directions: The attached "Record of Expenses" form is partially filled out. Complete the missing lines and answer the following questions. (This test was based on 6.5% sales tax)

1. How many days did Corine work this week?

   A. 2 B. 3 C. 4 D. 5

2. How much is Corine's car payment?

   A. $42.50 B. $87.75 C. $117.36 D. $178.45

3. What do Corine's lunch and coffee breaks cost each day?

   A. $14.60 B. $3.65 C. $3.60 D. $2.85

4. How much was her balance forward from last week?

   A. $178.45 B. $117.36 C. $125.59 D. $25.00

5. How much was the sales tax for her shoes?

   A. $.28 B. $1.28 C. $1.38 D. $1.18

6. What is her balance after the cost of gasoline?

   A. $135.95 B $136.15 C. $135.15 D. $170.95

7. What is her balance after the cost of clothing?

   A. $142.28 B. $99.42 C. $101.62 D. $100.42

8. How much was the battery, including tax?

   A. $37.28 B. $35.00 C. $2.28 D. $29.65

9. Her chance card said she sold a lamp for $9.50 and some old records for $9.33 at the swap meet. What is her balance after the income from the swap meet?

   A. $18.83 B. $48.48 C. $10.82 D. $11.22

10. What is her balance after she pays her auto insurance?

    A. $22.23 B. $18.23 C. $103.23 D. $118.23

11. What would Corine's final balance be?

    A. $125.59 B. $225.59 C. $109.59 D. $178.45

12. What is her total income? (see checklist)

    A. $178.45 B. $117.36 C. $414.64 D. $125.59

PAYDAY TEST 3

13. How many expense item does she have?

A. 10 B. 14 C. 11 D. 12

14. Which item will not change on her next payday?

A. savings B. clothing C. room and board D. chance card

15. Which item will Corine not have to pay for next week?

A. gasoline B. personal care C. miscellaneous D. car payment

16. Corine's dad said he would pay 1/2 of her gas if she would take him to work. How much will Corine have to pay for gas next week?

A $8.25 B. $8.75 C. $35.00 D. $8.50

17. Corine wants to pay a whole month's (four weeks) room and board at one time. How much will she pay for one month's room and board?

A. $100.00 B. $25.00 C. $6.25 D. $125.00

18. How much tax did Corine pay on her perfume?

A. $7.99 B. $49 C. $.49 D. $7.50

19. What is the total cost of Corine's car insurance for one year? (12 months)

A. $510.00 B. $420.50 C. $425.00 D. $42.50

20. Corine's father promises to pay 50% of her auto insurance for her birthday. How much will Corine have to pay for her auto insurance that month?

A. $42.50 B. $20.25 C. $21.75 D. $21.25

PAYDAY TEST 3
RECORD OF EXPENSES #2

Name Corine

Period

Balance Forward		+	$178.45
Room and Board	per week:	-	25.00
P	Bal:		
Gasoline	per week: $17.50		
C	Bal:		
Lunches & Coffee Breaks	per day:	-	14.60
P	Bal:		
Clothing	item: shoes	-	20.93
S	$19.65 Bal:		
Entertainment, Recreation	for: Disneyland		
P	$25.50 Bal:		
Personal Care	for: perfume	-	7.99
S	$7.50 Bal:		66.93
Miscellaneous	for: battery		
P	$35 Bal:		
Chance Cards	for: swapmeet		
P	Bal:		48.48
Transfer of Funds		+	100.00
B	Bal:		
Car Payment (Third Friday only)	$87.75		
C	Bal:		
Auto Insurance (Third Friday only)		-	42.50
C	Bal:		
Savings Account		-	10.00
P	Bal:		
Net Pay (From Salary Record)		+	117.36

Week ending: 3/26
Pay rate: $5.00
Number of days worked: 4

CHECKLIST

Income (+)	Expenses (-)

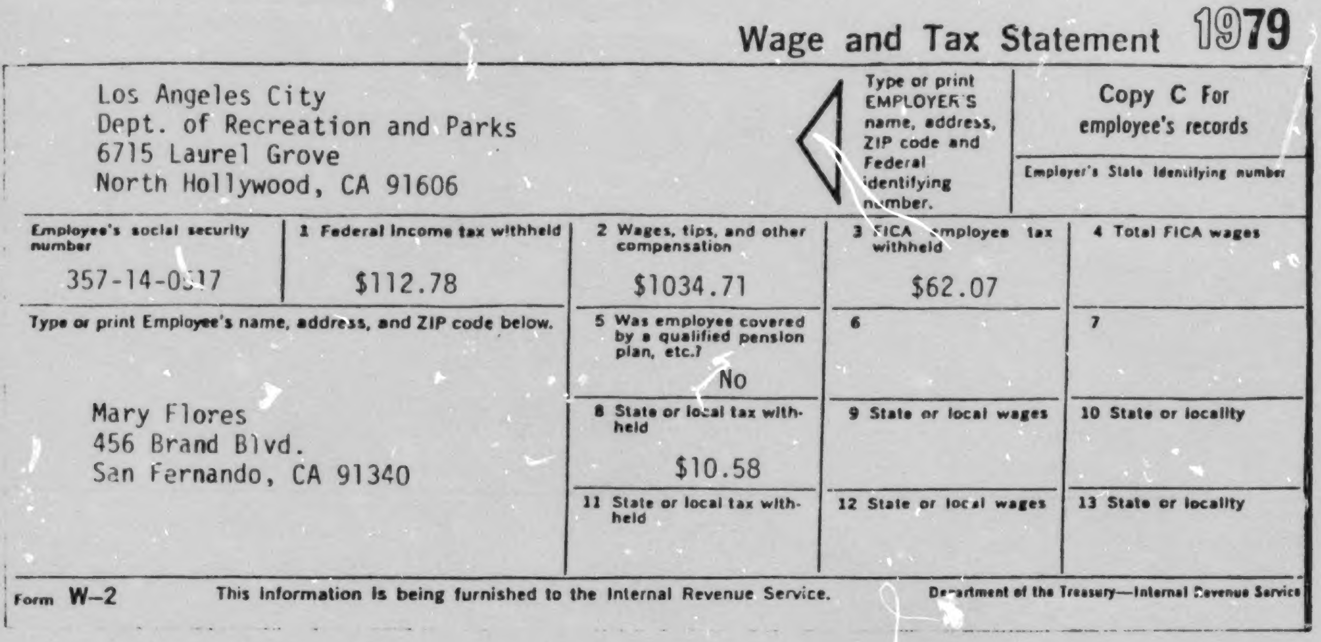
FINAL BALANCE ↔

TP20

WAGE AND TAX STATEMENT TEST

Name ____________________

Date ____________ Period ______



Wage and Tax Statement 1979

Los Angeles City Dept. of Recreation and Parks 6715 Laurel Grove North Hollywood, CA 91606		◁ Type or print EMPLOYER'S name, address, ZIP code and Federal identifying number.	Copy C For employee's records	Employer's State identifying number
Employee's social security number 357-14-0517	1 Federal income tax withheld $112.78	2 Wages, tips, and other compensation $1034.71	3 FICA employee tax withheld $62.07	4 Total FICA wages
Type or print Employee's name, address, and ZIP code below. Mary Flores 456 Brand Blvd. San Fernando, CA 91340		5 Was employee covered by a qualified pension plan, etc.? No	6	7
		8 State or local tax withheld $10.58	9 State or local wages	10 State or locality
		11 State or local tax withheld	12 State or local wages	13 State or locality

Form **W-2** This information is being furnished to the Internal Revenue Service. Department of the Treasury—Internal Revenue Service

1. This form is called a ____________.

   A. 1040 C. short form
   B. W-2 D. Social Security form

2. How much money did Mary make in 1979?

   A. $112.78 B. 357-14-0517 C. $1034.71 D. $62.07

3. How often will Mary receive one of these forms?

   A. once a week C. once every two weeks
   B. once a month D. once a year

4. Who sends Mary this form?

   A. employer B. Uncle Sam C. IRS D. employee

5. How much federal tax was withheld from Mary's income in 1979?

   A. $62.07 B. $10.58 C. $112.78 D. $1034.71

TP21

WAGE AND TAX STATEMENT TEST

6. Copy C is ____________.

A. to be mailed in with tax forms
B. for employer's record
C. for IRS
D. for employee's records

7. Who is Mary's employer?

A. Mary
B. IRS
C. Los Angeles City
D. Social Security

8. Who is the employee?

A. Mary
B. IRS
C. Los Angeles City
D. Social Security

9. In what year will Mary receive this statement?

A. 1977
B. 1978
C. 1979
D. 1980

10. Is Mary covered by a pension plan?

A. yes
B. no
C. don't know
D. don't care

11. How much money did Mary contribute to Social Security?

A. $112.78
B. $1034.71
C. $62.07
D. $10.58

12. How much total state and federal taxes were withheld from Mary's wages?

A. $102.20
B. $133.36
C. $185.43
D. $ 72.63

13. If Mary received a 10% raise in 1980, what would her 1980 wages be?

A. $103.47
B. $1140.81
C. $1135.13
D. $1138.18

14. Federal Income tax witheld is approximatley_________times as much as Social Security.

A. 2
B. 5
C. 10
D. 11

15. What was Mary's net pay for 1979?

A. $1034.71
B. $185.43
C. $849.28
D. $123.36

1040A WORKSHEET TEST

Name____________________________________

Date____________________Period________

Directions: Mary worked as a clerk at Valley Plaza Park for 3 months after she graduated from San Fernando High School. She is living at home and only claims herself as a dependent. Use Mary's W-2 form to fill out her 1040A form and answer the following questions.

1. How often do you file your income taxes?______________
2. What does IRS stand for?_______________ _______________ _______________
3. Does IRS refer to federal or state income taxes?_______________________
4. Occupation is another word for:

   A. eye exercises
   B. Chinese needle medicine
   C. job
   D. children

5. Which one could never be an exemption?

   A. spouse B. grandmother C. child D. dog

6. What does "refund" mean?____
7. What does "balance due" mean?____
8. Are some people required to pay federal income taxes before they reach a legal adult age?_______________
9. What is interest income?____
10. Did Mary have any interest income?____________________________________
11. Why is Mary getting back all her federal tax money?____________________
12. What does perjury mean?____

Answer True or False to questions 13 through 16.

13. Dividends from investments are to be reported as income.__________
14. You are not responsible if someone else does your income tax.__________
15. Always save a copy of your completed income tax forms.__________
16. When filling out your tax forms to send in, you should always type or print in ink.__________

Form **1040A** Department of the Treasury—Internal Revenue Service
U.S. Individual Income Tax Return **1979**

Use IRS label. Otherwise, please print or type.

Your first name and initial (if joint return, also give spouse's name and initial) | Last name | Your social security number
Present home address (Number and street, including apartment number, or rural route) | Spouse's social security no.
City, town or post office, State and ZIP code | Your occupation ▶ | Spouse's occupation ▶

Presidential Election Campaign Fund ▶
Do you want $1 to go to this fund? . . . . ☐ Yes ☐ No
If joint return, does your spouse want $1 to go to this fund? ☐ Yes ☐ No
Note: *Checking "Yes" will not increase your tax or reduce your refund.*

For Privacy Act Notice, see page 14 of Instructions

Filing Status
Check Only One Box.
1 ☐ Single
2 ☐ Married filing joint return (even if only one had income)
3 ☐ Married filing separate return. Enter spouse's social security number above and full name here ▶
4 ☐ Head of household. (See page 8 of Instructions.) If qualifying person is your unmarried child, enter child's name ▶

Exemptions
Always check the box labeled Yourself. Check other boxes if they apply.
5a ☐ Yourself ☐ 65 or over ☐ Blind
b ☐ Spouse ☐ 65 or over ☐ Blind
Enter number of boxes checked on 5a and b ▶ ☐
c First names of your dependent children who lived with you ▶
Enter number of children listed ▶ ☐

d Other dependents:

(1) Name	(2) Relationship	(3) Number of months lived in your home.	(4) Did dependent have income of $1,000 or more?	(5) Did you provide more than one-half of dependent's support?

Enter number of other dependents ▶ ☐

6 Total number of exemptions claimed . . . . Add numbers entered in boxes above ▶ ☐

Please Attach Copy B of Forms W-2 Here

7 Wages, salaries, tips, etc. (*Attach Forms W-2. If you do not have a W-2, see page 10 of Instructions*) 7

8 Interest income (*See pages 4 and 10 of Instructions*) 8

9a Dividends (*See pages 4 and 10 of Instructions*) 9b Exclusion Subtract line 9b from 9a 9c

10a Unemployment compensation. Total amount received

b Taxable part, if any, from worksheet on page 11 of Instructions 10b

11 Adjusted gross income (*add lines 7, 8, 9c, and 10b*). *If under $10,000, see page 2 of Instructions on "Earned Income Credit"* 11

12a Credit for contributions to candidates for public office. (*See page 11 of Instructions*) 12a

IF YOU WANT IRS TO FIGURE YOUR TAX, PLEASE STOP HERE AND SIGN BELOW.

b Total Federal income tax withheld (*If line 7 is more than $22,900, see page 12 of Instructions*) 12b

c Earned income credit (*from page 2 of Instructions*) 12c

13 Total (*add lines 12a, b, and c*) 13

Attach Payment Here

14a Tax on the amount on line 11. (*See Instructions for line 14a on page 12; then find your tax in the Tax Tables on pages 15–26.*) 14a

b Advance earned income credit payments received (*from Form W-2*) 14b

15 Total (*add lines 14a and 14b*) 15

16 If line 13 is larger than line 15, enter amount to be **REFUNDED TO YOU** . . . . ▶ 16

17 If line 15 is larger than line 13, enter **BALANCE DUE.** Attach check or money order for full amount payable to "Internal Revenue Service." Write your social security number on check or money order . ▶ 17

Please Sign Here

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief it is true, correct, and complete. Declaration of preparer (other than taxpayer) is based on all information of which preparer has any knowledge.

▶ Your signature Date
▶ Spouse's signature (if filing jointly, BOTH must sign even if only one had income)

Paid Preparer's Information
Preparer's signature and date ▶ | Check if self-employed ▶ ☐ | Preparer's social security no.
Firm's name (or yours, if self-employed) and address ▶ | E.I. No. ▶ | ZIP code ▶

☆ U.S. GOVERNMENT PRINTING OFFICE : 1979—O-283-070 283-070-1 Form **1040A** (1979)

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ANSWER KEYS TO PAYDAY TESTS

Social Security Application Test

1. D
2. B
3. C
4. A
5. D
6. A
7. D
8. B
9. B
10. A
11. Yes. Line 1 is personal choice of name to use.
12. Mother's name before marriage to father.
13. false
14. Report loss and request duplicate.
15. false

Job Application Test

1. B
2. C
3. A
4. A
5. D
6. D
7. C
8. D
9. C
10. D
11. C
12. C

Bus Schedule Test

1. D
2. A
3. B
4. B
5. B
6. A
7. B
8. C
9. D
10. A
11. B
12. B

Bar Graph Test 1

Each student's graph will be unique to match his/her individual earnings and expenditures.

No answer key.

Bar Graph Test 2

1. C
2. B
3. A
4. C
5. D
6. A
7. B
8. D
9. C
10. C
11. A

See correctly filled out page TP9.

Payday Test 1

See correctly filled out page TP12 (for both 6% and 6.5% sales tax).

Bar Graph Test 3

1. B
2. A
3. C
4. B
5. A
6. A
7. D
8. A
9. B
10. B
11. A
12. C
13. B

See correctly filled out page TP13 and TP14.

ANSWER KEYS TO PAYDAY TEST

Payday Test 2

See correctly filled out page TP17 (for both 6% and 6.5% sales tax).

Payday Test 3

1. C
2. B
3. B
4. A
5. B
6. A
7. D
8. A
9. B
10. B
11. A
12. C
13. A
14. C
15. D
16. B
17. A
18. C
19. A
20. D

See correctly filled out page TP20

Wage and Tax Statement Test

1. B
2. C
3. D
4. A
5. C
6. D
7. C
8. A
9. D
10. B
11. C
12. C
13. D
14. A
15. C

1040A Worksheet Test

See correctly filled out pages TP23 and TP24.

BAR GRAPH TEST 2

Name Key, Pg TP 9

Date ______ Period ______

Directions: Use the bar graph to fill in the blanks on the side. Then use the completed bar graph to answer the questions on the next page.

*Students answers may vary ± 50¢.

Room & Board $ 30.00

Trans. $ 4.50

Coffee Breaks $ 5.00

Lunches $ 7.50

Clothing $ 15.50

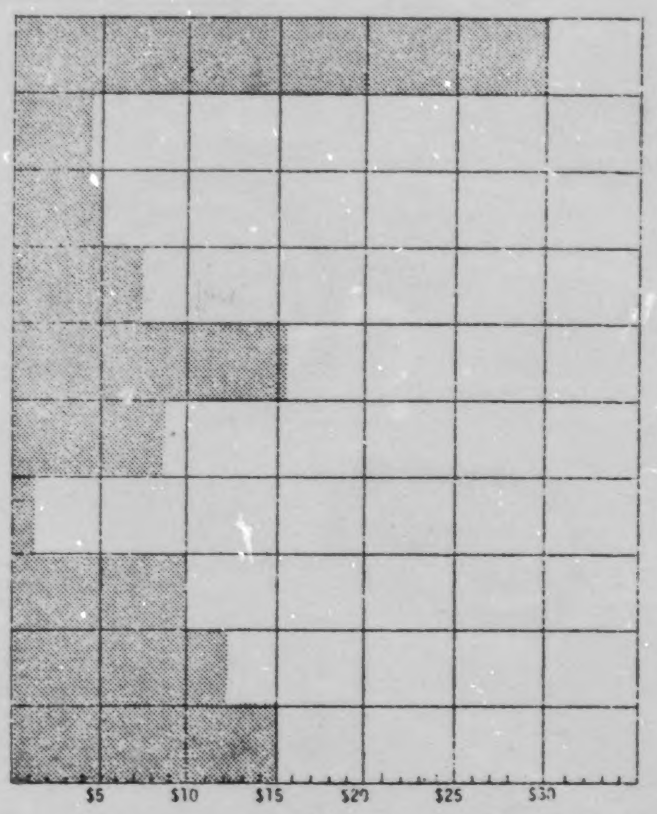
Enter. & Rec. $ 8.50

Personal Care $ 1.50

Misc. $ 10.00

Chance Cards $ 12.00

Savings $ 15.00



TP27

107

TP9

PAYDAY TEST 1
RECORD OF EXPENSES #1

Key, Pg TP 12

Name Pokert B ______ Period ______
at 6% sales tax

Balance Forward		+	$183.20
Room and Board	per week: $30	-	30.00
P	Bal:		153.20
Transportation Expense	per day: $1.10	-	4.40
P	Bal:		148.80
Coffee Breaks	per day: $1.75	-	7.00
P	Bal:		141.80
Lunches	per day: $2.80	-	11.20
P	Bal:		130.60
Clothing	item: Pants	-	16.95
S	$15.99+.96 Bal:		113.65
Entertainment, Recreation	for: Magic Fountain	-	13.50
P	Bal:		100.15
Personal Care	for: toothpaste	-	1.58
S	$1.49+.09 Bal:		98.57
Miscellaneous	for:	+	6.00
P	$2 x 3 Bal:		104.57
Chance Cards	for: chaircover	-	13.77
P	$12.99+.78 Bal:		90.80
Savings Account		-	55.00
P	Bal		35.80
Net Pay (From Salary Record)		+	91.69

Week ending: 10/28

Pay rate: $3.50

Number of days worked: 4

CHECKLIST

Income (+)	Expenses (-)
$183.20	$ 30.00
6.00	4.40
91.69	7.00
$280.89	11.20
	16.95
	13.50
	1.58
	13.77
	+ 55.00
	$153.40

FINAL BALANCE $127.49 ↔ $127.49

$$\begin{array}{r} \$280.89 \\ -\ 153.40 \\ \hline \$127.49 \end{array}$$

TP12

108

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Key, Pg TP12

PAYDAY TEST 1
RECORD OF EXPENSES #I

Name Robert Period ____
at 6.5% sales tax

Balance Forward		+	$183.20
Room and Board	per week: $30	-	30.00
P	Bal:		153.20
Transportation Expense	per day: $1.10	-	4.40
P	Bal:		148.80
Coffee Breaks	per day: $1.75	-	7.00
P	Bal:		141.80
Lunches	per day: $2.80	-	11.20
P	Bal:		130.60
Clothing	item: pants	-	17.03
S	$15.99+1.04 Bal:		113.57
Entertainment, Recreation	for: Magic Mountain	-	13.50
P	Bal:		100.07
Personal Care	for: toothpaste	-	1.59
S	$1.49 + .10 Bal:		98.48
Miscellaneous	for: homework	+	6.00
P	$2 x 3 Bal:		104.48
Chance Cards	for: chaircover	-	13.83
P	$12.99+.84 Bal:		90.65
Savings Account		-	55.00
P	Bal		35.65
Net Pay (From Salary Record)		+	91.69

Week ending: 10/28
Pay rate: $3.50
Number of days worked: 4

CHECKLIST

Income (+)	Expenses (-)
$183.20	$30.00
6.00	4.40
+91.69	7.00
$280.89	11.20
	17.03
	13.50
	1.59
	13.83
	+ 55.00
	$153.55

$280.89
− 153.55
$127.34

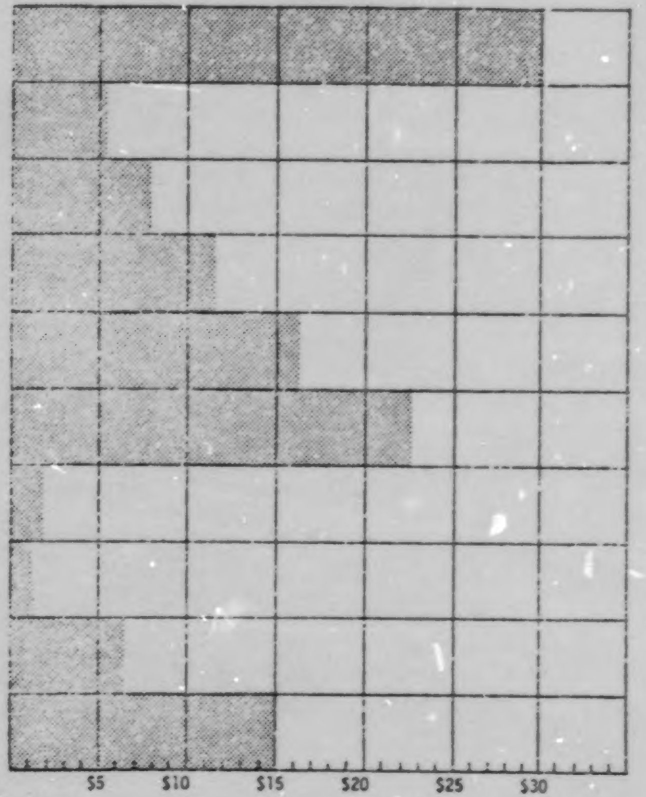
FINAL BALANCE $127.34 ↔ $127.34

BAR GRAPH TEST 3

Name Key, Pg. TP 13
Date ____ Period ____

Directions: First complete Juan's "Record of Expenses" form. Use the information from the finished form to fill in the blanks on the side of the graph below. Then shade in the bar graph. Finally use the two forms to answer the questions on the last page.

Room & Board $ 30.00
Trans. $ 5.50
Coffee Breaks $ 7.50
Lunches $ 11.25
Clothing $ 15.96
Enter. & Rec. $ 22.50
Personal Care $ 1.86
Misc. $ 1.07
Chance Cards $ 6.26
Savings $ 15.00



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Key, Pg TP 14

BAR GRAPH TEST 3
RECORD OF EXPENSES #1

Name Jim Period ____

Balance Forward		+	$129.33
Room and Board	per week: $30	-	30.00
P	Bal:		99.33
Transportation Expense	per day: $1.10	-	5.50
P	Bal:		93.83
Coffee Breaks	per day: $1.50	-	7.50
P	Bal:		86.33
Lunches	per day: $2.25	-	11.25
P	Bal:		75.08
Clothing	item: Shirt	-	15.96
S	$14.99 Bal:		59.12
Entertainment, Recreation	for: Disneyland	-	22.50
P	Bal:		36.62
Personal Care	for: deodorant	-	1.86
S	$1.75 Bal:		34.76
Miscellaneous	for: birthday card	-	1.07
P	$1.00 Bal:		33.69
Chance Cards	for: record	-	6.26
P	$5.88 Bal:		[illegible]7.43
Savings Account		-	15.00
P	Bal		12.43
Net Pay (From Salary Record)		+	114.62

Week ending: 11/22
Pay rate: $3.50
Number of days worked: 5

CHECKLIST

Income (+)	Expenses (-)
$129.33	$30.00
+114.62	5.50
$243.95	7.50
	11.25
	15.96
	22.50
	1.86
	1.07
	6.26
	15.00
	$116.90

FINAL BALANCE $127.05 ↔

$243.95
− 116.90
$127.05

Key, Pg TP 17

PAYDAY TEST 2
RECORD OF EXPENSES #1

Name Carl Period ____
at 6% sales tax

Balance Forward		+	$127.45
Room and Board	per week: $35.00	-	35.00
P	Bal:		92.45
Transportation Expense	per day: $ 1.10	-	5.50
P	Bal:		86.95
Coffee Breaks	per day: $ 1.85	-	9.25
P	Bal:		77.70
Lunches	per day: $ 3.15	-	15.75
P	Bal:		61.95
Clothing	item: blouse	-	19.03
S	$17.95+1.08 Bal:		42.92
Entertainment, Recreation	for: movie	-	4.50
P	Bal:		38.42
Personal Care	for: shampoo	-	1.79
S	$1.69+.10 Bal:		36.63
Miscellaneous	for: birthday gift	-	8.00
P	Bal:		28.63
Chance Cards	for: returned money	+	7.00
P	Bal:		35.63
Savings Account		-	26.50
P	Bal		9.13
Net Pay (From Salary Record)		+	142.33

Week ending: 1/11
Pay rate: $4.50
Number of days worked: 5

CHECKLIST

Income (+)	Expenses (-)
$127.45	$35.00
7.00	5.50
+ 142.33	9.25
$276.78	15.75
	19.03
	4.50
	1.79
	8.00
	+ 26.50
	$125.32

FINAL BALANCE $151.46 ↔

$276.78
− 125.32
$151.46

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Key, Pg TP17

PAYDAY TEST 2
RECORD OF EXPENSES #1

Name Carla Period
at 6.5% sales tax

Balance Forward		+	$127.45
Room and Board	per week: $35	-	35.00
P	Bal:		92.45
Transportation Expense	per day: $1.10	-	5.50
P	Bal:		86.95
Coffee Breaks	per day: $1.85	-	9.25
P	Bal:		77.70
Lunches	per day: $3.15	-	15.75
P	Bal:		61.95
Clothing	item: blouse	-	19.12
S	$17.95+1.17 Bal:		42.83
Entertainment, Recreation	for: movie	-	4.50
P	Bal:		38.33
Personal Care	for: shampoo	-	1.80
S	$1.69 + .11 Bal:		36.53
Miscellaneous	for: birthday gift	-	8.00
P	Bal:		28.53
Chance Cards	for: returned money	+	7.00
P	Bal:		35.53
Savings Account		-	26.50
P	Bal		9.03
Net Pay (From Salary Record)		+	142.33

Week ending: 1/11
Pay rate: $4.50
Number of days worked: 5

CHECKLIST

Income (+)	Expenses (-)
$127.45	$35.00
7.00	5.50
+142.33	9.25
$276.78	15.75
	19.12
	4.50
	1.80
	8.00
	+26.50
	$125.42

FINAL BALANCE $151.36 ↔

$276.78
− 125.42
$151.36

Key, Pg TP20

PAYDAY TEST 3
RECORD OF EXPENSES #2

Name Corine Period

Balance Forward		+	$178.45
Room and Board	per week:	-	25.00
P	Bal:		153.45
Gasoline	per week: $17.50	-	17.50
C	Bal:		135.95
Lunches & Coffee Breaks	per day:	-	14.60
P	Bal:		121.35
Clothing	item: shoes	-	20.93
S	$19.65 Bal:		100.42
Entertainment, Recreation	for: Disneyland	-	25.50
P	$25.50 Bal:		74.92
Personal Care	for: perfume	-	7.99
S	$7.50 Bal:		66.93
Miscellaneous	for: battery	-	37.28
P	$35 Bal:		29.65
Chance Cards	for: swapmeet	+	18.83
P	$18.83 Bal:		48.48
Transfer of Funds		+	100.00
B	Bal:		148.48
Car Payment (Third Friday only)	$87.75	-	87.75
C	Bal:		60.73
Auto Insurance (Third Friday only)		-	42.50
C	Bal:		18.23
Savings Account		-	10.00
B	Bal:		8.23
Net Pay (From Salary Record)		+	117.36

Week ending: 3/26
Pay rate: $5.00
Number of days worked: 4

CHECKLIST

Income (+)	Expenses (-)
$178.45	$25.00
18.83	17.50
100.00	14.60
+ 117.36	20.93
$414.64	25.50
	7.99
	37.28
	87.75
	42.50
	+ 10.00
	$289.05

FINAL BALANCE $125.59 ↔

$414.64
− 289.05
$125.59

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1040A WORKSHEET TEST

Name *Key, Pg TP 23*

Date __________ Period ______

Directions: Mary worked as a clerk at Valley Plaza Park for 3 months after she graduated from San Fernando High School. She is living at home and only claims herself as a dependent. Use Mary's W-2 form to fill out her 1040A form and answer the following questions.

1. How often do you file your income taxes? ONCE A YEAR
2. What does IRS stand for? INTERNAL REVENUE SERVICE
3. Does IRS refer to federal or state income taxes? FEDERAL
4. Occupation is another word for:

   A. eye exercises
   B. Chinese needle medicine
   [✓ C. job]
   D. children

5. Which one could never be an exemption?

   A. spouse B. grandmother C. child [✓ D. dog]

6. What does "refund" mean? MONEY YOU GET BACK FROM THE IRS
7. What does "balance due" mean? MONEY YOU PAY TO THE IRS
8. Are some people required to pay federal income taxes before they reach a legal adult age? YES
9. What is interest income? MONEY A BANK, CREDIT UNION, ETC. PAYS YOU FOR USING THE MONEY IN YOUR ACCOUNT.
10. Did Mary have any interest income? NO
11. Why is Mary getting back all her federal tax money? SHE DID NOT MAKE ENOUGH MONEY
12. What does perjury mean? TELLING A LIE UNDER OATH

Answer True or False to questions 13 through 16.

13. Dividends from investments are to be reported as income. TRUE
14. You are not responsible if someone else does your income tax. FALSE
15. Always save a copy of your completed income tax forms. TRUE
16. When filling out your tax forms to send in, you should always type or print in ink. TRUE

Form **1040A** Department of the Treasury—Internal Revenue Service
U.S. Individual Income Tax Return **1979** *Key, Pg TP24*

Use IRS label. Otherwise, please print or type.

Your first name and initial: MARY   Last name: FLORES   Your social security number: 357 14 0517

Present home address: 456 BRAND BLVD.   Spouse's social security no.

City, town or post office, State and ZIP code: SAN FERNANDO, CALIF 91340

Your occupation ▶ CLERK

Spouse's occupation ▶

Presidential Election Campaign Fund ▶ Do you want $1 to go to this fund? ☒ Yes ☐ No
If joint return, does your spouse want $1 to go to this fund? ☐ Yes ☐ No
Note: Checking "Yes" will not increase your tax or reduce your refund.

For Privacy Act Notice, see page 14 of Instructions.

Filing Status — Check Only One Box.
1 ☒ Single
2 ☐ Married filing joint return (even if only one had income)
3 ☐ Married filing separate return. Enter spouse's social security number above and full name here ▶
4 ☐ Head of household. (See page 8 of Instructions.) If qualifying person is your unmarried child, enter child's name ▶

Exemptions — Always check the box labeled Yourself. Check other boxes if they apply.
5a ☒ Yourself ☐ 65 or over ☐ Blind
b ☐ Spouse ☐ 65 or over ☐ Blind
Enter number of boxes checked on 5a and b ▶ 1
c First names of your dependent children who lived with you ▶
Enter number of children listed ▶
d Other dependents: (1) Name (2) Relationship (3) Number of months lived in your home (4) Did dependent have income of $1,000 or more? (5) Did you provide more than one-half of dependent's support?
Enter number of other dependents ▶
6 Total number of exemptions claimed. Add numbers entered in boxes above ▶

Please Attach Copy B of Forms W-2 Here

7 Wages, salaries, tips, etc. (Attach Forms W-2. If you do not have a W-2, see page 10 of Instructions)	7	1034	71
8 Interest income (See pages 4 and 10 of Instructions)	8		
9a Dividends (See pages 4 and 10 of Instructions) 9b Exclusion Subtract line 9b from 9a	9c		
10a Unemployment compensation. Total amount received			
b Taxable part, if any, from worksheet on page 11 of Instructions	10b		
11 Adjusted gross income (add lines 7, 8, 9c, and 10b). If under $10,000, see page 2 of Instructions on "Earned Income Credit"	11	1034	71
12a Credit for contributions to candidates for public office. (See page 11 of Instructions) — 12a			
IF YOU WANT IRS TO FIGURE YOUR TAX, PLEASE STOP HERE AND SIGN BELOW.			
b Total Federal income tax withheld (If line 7 is more than $22,900, see page 12 of Instructions) — 12b 112 78			
c Earned income credit (from page 2 of Instructions) — 12c			
13 Total (add lines 12a, b, and c)	13	112	78
14a Tax on the amount on line 11. (See Instructions for line 14a on page 12; then find your tax in the Tax Tables on pages 15–26.) — 14a - 0 -			
b Advance earned income credit payments received (from Form W-2) — 14b			
15 Total (add lines 14a and 14b)	15	- 0	-
16 If line 13 is larger than line 15, enter amount to be REFUNDED TO YOU ▶	16	112	78
17 If line 15 is larger than line 13, enter BALANCE DUE. Attach check or money order for full amount payable to "Internal Revenue Service." Write your social security number on check or money order ▶	17		

Attach Payment Here

Please Sign Here

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief it is true, correct, and complete. Declaration of preparer (other than taxpayer) is based on all information of which preparer has any knowledge.

▶ *Mary Flores* *2/15/83* ▶
Your signature Date Spouse's signature (if filing jointly, BOTH must sign even if only one had income)

Paid Preparer's Information: Preparer's signature and date ▶ Check if self-employed ▶ ☐ Preparer's social security no.
Firm's name (or yours, if self-employed) and address ▶ E.I. No. ▶ ZIP code ▶

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SHOPPING

CORN FLAKES
CORN FLAKES

SHOPPING - *Teacher's Introduction*

This unit sets a tone of realism and practicality by letting pupils take an honest look at the dollar cost of the material things young people need and want. First, pupils estimate prices of common items during a classroom exercise similar to a TV game format. Then they have a dual assignment to check the actual prices of both drugstore and grocery items at their local supermarket or shopping center.

The "Grocery Shopping" worksheet will be matched by a duplicate at the end of the school year for a look at inflation. The worksheet should be collected and filed for this future lesson. The appropriate "Drugstore Shopping" list is the source of the personal care items entered on the pupil's expense records every payday. The sales tax worksheets provide guided practice in using both a "common sense" approach to tax computation and experiences in reading a tax chart.

Selecting a fall wardrobe is the first of a series of classroom activities that involve mail order buying. If catalogs are unavailable, department store ads or sales booklets might be used, but they lack both variety and current everyday prices. Catalogs have two great additional values: they inspire a great deal of reading and require pupils to follow directions carefully in filling out the order forms. This unit also includes two exercises in making correct change. Actual experience in a student store or cafeteria setting, using either real money or stage money would be a valuable addition to this part of the unit.

In the third week, students continue working with money and begin work with installment purchases. This first lesson divides only the purchase amount into different time payments. Figuring the rising cost of interest will come later. Feeling comfortable with the complexities of the telephone directory is only distantly related to shopping, but it is a very necessary skill not likely to be taught anywhere else, so it is included in this week's lessons.

Actual computation of sales tax, including rounding off, starts week four. Figuring discounts and sale prices are more complicated operations, involving more work with percent. The worksheets for the last week bring together all the percent skills previously taught, and include a blank worksheet for figuring real purchases selected independently by each student. A single exercise on unit pricing completes this section, again involving students with the realities of the business world.

SHOPPING - CHRONOLOGY

	DAY 1	DAY 2	DAY 3	DAY 4	
WEEK 1	OPEN DAY	Estimate current prices of grocery and drug-store items. *School*	Complete "Sales Tax 1" and "Sales Tax 2" worksheets. *Week #5*	Begin "Wardrobe" worksheet...	PAYDAY
WEEK 2	OPEN DAY	Complete "Wardrobe" worksheet. *School*	Complete "Correct Change 1" worksheet. *Week #6*	Complete "Correct Change 2" worksheet.	PAYDAY
WEEK 3	Complete "Coin Riddles 1" and "Coin Riddles 2" worksheets.	OPEN DAY *School*	Complete "Installment Purchase 1" worksheet. *Week #7*	Complete "Telephone Directory" worksheet.	PAYDAY
WEEK 4	Complete "Sales Tax 3" worksheet.	Complete "Discount 1" worksheet. *School*	Begin "Discount 2" worksheet... *Week #14*	Complete "Discount 2" worksheet.	PAYDAY
WEEK 5	Complete "Installment Purchase 2" worksheet.	Begin "Installment Purchase 3" work-sheet... *School*	Complete "Installment Purchase 3" worksheet. *Week #17*	Complete "Better Buy" worksheet.	PAYDAY

SHOPPING - FIRST WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Locate given items in a grocey store and drugstore and record their prices.
Order a full wardrobe using a catalog.
Compute sales tax.
Use a sales tax schedule.

Activities:

Day 1 *Open Day*

Day 2 *Estimate current prices of grocery and drugstore items.*

Bring in fifteen assorted grocery and drugstore items. Using a game show format, display and describe each item while the students record their price estimates. After they compute their totals, review the correct price of each item and the correct total price. Award payday bonuses for the closest estimates. Assign "Grocery Shopping" worksheet and appropriate "Drugstore Shopping" worksheet for homework. Emphasize that the "Drugstore Shopping" assignment must be returned for Friday's payday lesson. Collect the "Grocery Shopping" worksheet for future price comparisons.

Day 3 *Complete "Sales Tax 1" and "Sales Tax 2" worksheets.*

The "Sales Tax 1" is designed to enable the students to quickly and accurately find the tax on whole dollars and half dollars. Hopefully each student will be able to compute sales tax on whole numbers by multiplying by six cents and adding an additional 3 cents for any half dollar amounts. The "Sales Tax 2" worksheet is an assignment designed to acquaint the students with using a sales tax chart. If your local sales tax is 6½%, rather than 6%, please use "Sales Tax 2A" located on page S32.

Day 4 *Begin "Wardrobe" worksheet...*

Using a class set of mail order catalogs, have the students select a complete wardrobe. To be complete, the wardrobe should include a variety of clothes for work, recreation and casual wear. Tell the students that the items will be purchased individually during future paydays. Expensive items may be bought and paid for over a two or three week period.

Materials: *Ditto copies of:*

"Drugstore Shopping-Boys" worksheet
"Drugstore Shopping-Girls" worksheet
"Grocery Shopping" worksheet
"Sales Tax 1" worksheet
"Sales Tax 2" worksheets (6 or 6½%)
Sales Tax Schedule (third week "Payday" unit)
"Wardrobe" worksheet

Class set of mail order catalogs
Assorted grocery and drugstore items

DRUGSTORE SHOPPING - BOYS

Name____________________

Homework Assignment #___

Date due__________ Period________

Item	Brand	Size	Price
1. aftershave lotion			
2. aspirin			
3. bandaids			
4. deodorant			
5. handsoap			
6. mouthwash			
7. razor			
8. razor blades			
9. shampoo			
10. shaving cream			
11. shoe polish			
12. tissues			
13. toothbrush			
14. toothpaste			

Name of Store____________________

DRUGSTORE SHOPPING - GIRLS

Name______________________________

Homework Assignment #_____

Date due______________ Period_______

Item	Brand	Size	Price
1. aspirin			
2. bandaids			
3. deodorant			
4. hairspray			
5. hand lotion			
6. hand soap			
7. lipstick			
8. mouthwash			
9. nail polish			
10. perfume			
11. shampoo			
12. tissues			
13. toothbrush			
14. toothpaste			

Name of Store____________________________

GROCERY SHOPPING

Name________________________

Homework Assignment #_____

Date due__________Period______

Item	Type	Brand	Size	Price
1. apples				
2. bacon				
3. bread				
4. breakfast cereal				
5. canned beans				
6. canned tomatoes				
7. coffee				
8. eggs, 1 dozen				
9. flour				
10. hamburger	leanest		1 lb.	
11. margarine				
12. milk	whole			
13. oranges				
14. peanut butter				
15. sugar				

Name of Store____________________________

SALES TAX 1

Name ____________________

Date ______________ Period ________

The six percent California sales tax may be found by reading a sales tax chart. When you don't have a chart it is helpful to be able to compute the tax.

Six percent means 6 cents ($.06) for each whole dollar. Write the sales tax and total for each of the following amounts:

amount	tax	total	amount	tax	total
$ 1.00	$ .06	$ 1.06	$ 8.00		
2.00			10.00		
3.00			15.00		
4.00			17.00		
5.00			25.00		
6.00			50.00		
7.00			63.00		

If six percent tax means that you are charged 6 cents ($.06) for each whole dollar, you would be charged 3 cents ($.03) for each half dollar. Write the sales tax and total for each of the following amounts:

amount	tax	total	amount	tax	total
$ .50	$ .03	$ .53	$14.50		
1.50			22.50		
2.50			36.50		
3.50			44.50		
7.50			71.50		
11.50			75.50		
13.50			95.50		

SALES TAX 2

Name_______________________________

Date__________________Period________

Use the California 6% sales tax schedule to find the amount of tax on each transaction, then add the tax to the transaction for the total price.

	TRANSACTION	AMOUNT OF TAX	TOTAL PRICE
1.	$ .74	$ .05	$ .79
2.	2.08		
3.	4.25		
4.	7.81		
5.	10.19		
6.	12.36		
7.	16.01		
8.	18.53		
9.	20.64		
10.	24.90		
11.	27.73		
12.	31.10		
13.	34.15		
14.	37.83		
15.	41.99		
16.	6.27		
17.	22.68		
18.	33.84		
19.	44.09		
20.	47.42		

SALES TAX 2

Your tax chart only goes up to $50.91. What if your transaction is more than this? One way would be to split the transaction in half. Find the tax on the schedule for that amount. Double the tax and add this amount to the transaction for the total cost.

Example:

TRANSACTION	DIVIDED BY 2	READ TAX SCHEDULE	DOUBLE THE TAX	ADD TAX TO TRANSACTION
$84.20	$42.10 2)$84.20	$ 2.53	$ 2.53 x 2 $ 5.06	$84.20 +5.06 $89.26

Find the amount of tax and total price for the following transactions.

TRANSACTION	DIVIDED BY 2	READ TAX SCHEDULE	DOUBLE THE TAX	ADD TAX TO TRANSACTION
21. $ 60.30	____________	____________	____________	____________
22. 75.90	____________	____________	____________	____________
23. 100.00	____________	____________	____________	____________
24. 81.88	____________	____________	____________	____________
25. 95.06	____________	____________	____________	____________

WARDROBE

Name________________________________

Date__________________Period_________

Catalog Used__________________________________

Complete a wardrobe to be purchased from your current income.

Catalog No.	How Many	Item	Page No.	Color	Size	Price	Weight	
							lbs.	ozs.

SHOPPING - SECOND WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Compute the correct change on a purchase.
Give change using the least amount of coins.
Recognize a purchase can be made with paper currency and additional coins.

Activities:

Day 1 *Open Day*

Day 2 *Complete "Wardrobe" worksheet.*

This completed form, plus the "Drugstore Shopping" assignment, "That's Entertainment" worksheet and the sales tax schedule should remain in the students' folders for future payday reference.

Day 3 *Complete "Correct Change 1" worksheet.*

The purpose of this worksheet is to have the students make change accurately using the least number of coins. The method used in giving change in this worksheet is to start with the amount of purchase and count upwards to the amount of payment. An alternate method of giving change would be to subtract the amount of purchase from the amount of payment and count the change. This alternate method is mentioned because many cash registers now show amount of change rather than amount of purchase.

Day 4 *Complete "Correct Change 2" worksheet.*

The purpose of this worksheet is to have students make change when payments are not in whole dollars. In real life some payments include coins to simplify the change making process. It would be helpful to read the instructions with the students and assist them with the first few problems on this worksheet.

Materials: *Ditto copies of:*

"Correct Change 1" worksheet
"Correct Change 2" worksheet

CORRECT CHANGE 1

Name______________________________

Date________________ Period________

You are a cashier and one of your duties is to give the correct change to a customer using the least amount of coins possible. Indicate how much change you should give the customer if a one dollar bill is given in payment for each purchase shown. Also indicate the total number of coins that you should give the customer.

Amount Of Purchase	1¢	5¢	10¢	25¢	50¢	Total No. Of Coins
57¢	3	1	1	1		6
79¢						
23¢						
8¢						
42¢						
36¢						
94¢						
11¢						
63¢						
85¢						

Indicate how much change you should give the customer if a five dollar bill is given in payment for each of the purchases shown.

Amount Of Purchase	1¢	5¢	10¢	25¢	50¢	$1
$ 4.40						
2.54						
.67						
1.29						
3.88						
4.01						
.35						
2.13						
3.72						
1.96						

CORRECT CHANGE 2

Name____________________________

Date_______________Period________

It is very common for a customer to give a cashier some change in addition to dollar bills to avoid the inconvenience of receiving a large number of coins. For example, if the amount of purchase is $2.06 the customer could give the cashier a five dollar bill plus six cents and should receive three dollars in change. As a cashier you must be able to think fast and give accurate change. Indicate how much change you should give the customer if the amount shown is given in payment for each of the purchases listed. Hint: find the difference in the amount of purchase and payment made. That is the amount of change you must give the customer using the least amount of coins possible.

Amount Of Purchase	Payment Made	Change						
		1¢	5¢	10¢	25¢	50¢	$1	$5
$ .26	$ 1.01							
.32	1.02							
.73	1.03							
.77	1.02							
.86	1.01							
1.16	5.25							
1.47	5.02							
1.58	2.03							
2.28	5.03							
2.55	5.05							
2.92	5.02							
3.09	5.10							
3.27	5.02							
3.79	5.04							
4.02	5.10							
6.37	10.12							
7.17	10.25							
11.23	20.03							
14.13	20.25							
16.93	20.03							

SHOPPING - THIRD WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Use a fixed number of coins to obtain a given amount.
Compute simple installment payments.
Use a local telephone directory.

Activities:

Day 1 *Complete "Coin Riddles 1" and "Coin Riddles 2" worksheets.*

It would be helpful to use a overhead transparency of the coin riddles worksheets to assist the students in solving several of the beginning problems. Show the students that the pennies column can be determined first in some of these problems. Use of scratch paper or pencil with a good eraser is advisable.

Day 2 *Open Day*

Day 3 *Complete "Installment Purchase 1" worksheet.*

The purpose of this worksheet is to introduce time payments to the student. This concept will allow the students to purchase expensive clothing items and pay for them over a two or three week period. If the student purchases an item that does not divide evenly by two or three, the last payment will be different than the first payment(s). This lesson shows the students the necessity of knowing and using division in everyday life. This lesson does not involve finance charges.

Day 4 *Complete "Telephone Directory" worksheet.*

Before assigning the worksheet, discuss the various sections of the telephone directory. Show the location of such information as the yellow pages, federal, state, county, and city listings, emergency numbers, area codes, zip, etc. Distribute and complete the "Telephone Directory" worksheet.

Materials: *Ditto copies of:*

"Coin Riddles 1" worksheet
"Coin Riddles 2" worksheet
"Installment Purchase 1" worksheets
"Telephone Directory" worksheets

Overhead transparencies of:

"Coin Riddles 1" worksheet
"Coin Riddles 2" worksheet

Class set of local telephone directories

COIN RIDDLES 1

Name________________________________

Date________________Period__________

Make each of the amounts listed below using exactly 6 coins.

Amount	1¢	5¢	10¢	25¢	50¢
$ .42	2	0	4	0	0
$3.00					
$1.40					
$ .06					
$ .95					
$ .32					
$2.60					
$ .67					
$ .33					
$ .42					
$1.30					
$ .85					
$2.10					
$1.26					
$1.00					

COIN RIDDLES 2

Name_______________________

Date____________Period_________

Make each of the amounts listed below using exactly 8 coins.

Amount	1¢	5¢	10¢	25¢	50¢
$ .86	1	3	2	2	0
$ .70	0	2			
$ .28	3				
$1.40			4		
$ .35		0			
$ .95					1
$ .91			3		0
$ .60				0	
$2.05				3	
$ .25					
$ .40					
$1.85					
$2.90					
$1.80					
$ .94					

INSTALLMENT PURCHASE 1

Name______________________________

Date________________Period__________

Sometimes it is necessary to buy expensive items over a period of time. This is called installment buying. To find weekly or monthly payment, the price of the item is divided by the number of weeks or months desired.

	ITEM	TOTAL PRICE	NUMBER OF WEEKS/MONTHS	WEEKLY/MONTHLY PAYMENT
1.	AM/FM Stereo	$100.00	2	$______________
			4	$______________
			5	$______________
			10	$______________
2.	Color T.V	300.00	5	$______________
			6	$______________
			10	$______________
			12	$______________
3.	10 Speed Bike	120.00	3	$______________
			4	$______________
			8	$______________
			12	$______________
4.	35mm Camera	240.00	6	$______________
			8	$______________
			10	$______________
			12	$______________
5.	Video Computer	160.00	4	$______________
			5	$______________
			8	$______________
			10	$______________

INSTALLMENT PURCHASE 1

Many times the payments do not come out in nice whole numbers. These next 5 are a little harder.

ITEM	TOTAL PRICE	NUMBER OF WEEKS/MONTHS	WEEKLY/MONTHLY PAYMENT
6. Tuxedo	$117.00	3	$__________
		4	$__________
		5	$__________
		6	$__________
7. Pool Table	1095.00	6	$__________
		12	$__________
		15	$__________
		20	$__________
8. Ring	310.50	3	$__________
		5	$__________
		6	$__________
		10	$__________
9. Typewriter	189.60	6	$__________
		8	$__________
		10	$__________
		12	$__________
10. AM/FM Car Stereo	229.8[illegible]	4	$__________
		6	$__________
		10	$__________
		12	$__________

TELEPHONE DIRECTORY

Name________________________________

Date________________Period__________

1. You and your friends are testing a new dirt bike in the hills. Suddenly one friend takes a spill and lands on his back, unconscious. You jump on your bike and ride for the nearest phone to call the paramedics. What telephone number should you call?____________________

2. The Rose Bowl game is tied 17-17 in the third quarter and you cannot leave the TV set. You're getting hungry but your New Year's Eve party emptied your refrigerator. What telephone number can you call to have a pepperoni and sausage pizza delivered?____________________

3. Your aunt is running for a position on the school board in the upcoming election. Unfortunately, you are not yet a registered voter. Call the Registrar of Voters for information about registration, telephone number ____________________.

4. Your sniffles turned into a nagging cough at three o'clock in the morning. To locate cough syrup you call the nearest all night drug store, telephone number____________________, but they do not deliver. Their address is ____.

5. Your little brother threw a toy truck at you and missed, but he did hit the TV. You want it fixed before Saturday's cartoons. A nearby TV repair shop can be found at____, telephone number____________________.

6. It's time for your puppy to have his shots. Call the Animal Shelter, telephone number____________________, for information regarding vaccinations.

7. It's summer time again, time for tennis, softball and swimming. All of these activities are located at your nearest recreation center.

TELEPHONE DIRECTORY

The closest recreation center (park) is ______________________________ ______________________, telephone number ____________________.

8. Your sister is getting married and she has asked you to be in the wedding party. You have to rent or buy formal wear. A local tuxedo or wedding shop can be found at ____, telephone number ________________________.

9. Last Friday, your fantastic friend was deep fat frying French fries when a flash flare-up of flames set fire to the fancy furniture. Phone the fire department fast! Telephone number __________________.

10. There's nothing on TV again tonight. Let's see what's playing at the local theaters. Find the names and phone numbers of three nearby theaters.

	Name	Phone Number
Theater 1	______________________________	_______________
Theater 2	______________________________	_______________
Theater 3	______________________________	_______________

11. The newest album by your favorite group is in at your local library. Why don't you go in and "check it out"? Your closest public library can be found at ____, telephone number ______________________.

12. Your sister's car was broken into and her tape deck and tapes were stolen. You notified her insurance company and they instructed you to call and report the theft to the police department. The police department's telephone number is ______________________.

13. It's football season again and your old high school football team is playing an away game. You want to go but don't know where they're playing. Call your old high school for the season's schedule. The name of your high school is __________________________, telephone number ___________.

SHOPPING - FOURTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Compute sales tax.
Round off to the nearest cent.
Compute amount of discount.
Compute sale price.

Activities:

Day 1 *Complete "Sales Tax 3" worksheet.*

Review with the students how to change a percent to a decimal and how to multiply by a decimal number. It would be helpful to do all the multiplying first and check for accuracy before moving to rounding off. Review rounding off to the nearest cent and then complete the worksheet by adding the tax to the cost of the item. If your local sales tax is 6½%, rather than 6%, please use "Sales Tax 3A", located on page S33.

Day 2 *Complete "Discount 1" worksheet.*

To introduce this worksheet the teacher or the students could bring in discount ads from newspapers, magazines, flyers, etc. It would be helpful to read the instructions with the students and assist them with the first few problems on the worksheet.

Day 3 *Begin "Discount 2" worksheet...*

This worksheet is a combination of "Sales Tax 3" and "Discount 1" worksheets. This is a difficult worksheet because it uses many mathematical operations. Proceed with caution, work several problems with the students, computing the amount of discount and then the final price.

Day 4 *Complete "Discount 2" worksheet.*

The teacher might suggest to the class to work with a partner or in small groups to complete this worksheet. The work could be checked with calculators.

Materials: *Ditto copies of:*

"Sales Tax 3" worksheet (6 or 6½%)
"Discount 1" worksheet
"Discount 2" worksheet

Class set of calculators (optional)

SALES TAX 3

Name____________________________________

Date__________________ Period____________

To compute the six percent California sales tax you should multiply .06 times the purchase price. Your answer will be a four place decimal. Round off the tax to the nearest cent. Write the sales tax and total for each of the following items:

ITEM	PURCHASE PRICE	6% TAX 4 PLACES	6% TAX NEAREST CENT	TOTAL COST
Belt	$ 5.59	______	______	______
Slacks	12.17	______	______	______
Shoes	14.79	______	______	______
Jacket	21.39	______	______	______
Hand Calculator	16.49	______	______	______
Desk Calculator	38.63	______	______	______
Elec. Can Opener	16.83	______	______	______
Blender	24.08	______	______	______
Typewriter	67.25	______	______	______
Typewriter Stand	24.99	______	______	______
Clock Radio	39.95	______	______	______
Turntable	99.67	______	______	______
10 Speed Bike	127.98	______	______	______
19" Black & White TV	154.47	______	______	______
Color TV	459.49	______	______	______

DISCOUNT 1

Name______________________________

Date______________Period___________

A department store is having a special sale on the items listed below. Solve for the amount of discount and the sale price by following these steps on each problem:

a. Change the rate of discount to a decimal fraction and multiply it by the regular price.

b. Round off the answer to the nearest cent (2 places) and list it in the amount of discount column.

c. Find the sale price by subtracting the amount of discount from the regular price.

ITEM	REGULAR PRICE	RATE OF DISCOUNT	AMOUNT OF DISCOUNT	SALE PRICE
Slacks	$ 14.95	10%	________	________
Shoes	21.95	10%	________	________
Jacket	23.45	15%	________	________
Clock Radio	39.68	15%	________	________
Hand Calculator	18.25	20%	________	________
Precision Roller Skates	74.95	20%	________	________
Turntable	99.67	25%	________	________
Binoculars	129.99	25%	________	________
19" Black & White TV	154.95	30%	________	________
10 Speed Bike	127.38	30%	________	________
Sewing Machine	395.95	15%	________	________
Color TV	459.49	10%	________	________

DISCOUNT 2

Name____________________

Date____________Period________

Compute the amount of discount and round off to the nearest cent. Find the sale price by subtracting the amount of discount from the regular price. Compute the sales tax and round off to the nearest cent. The total price is the sum of the sale price and sales tax.

ITEM	REGULAR PRICE	PERCENT OFF	AMOUNT OF DISCOUNT	SALES PRICE	SALES TAX ____%	TOTAL PRICE
Cassettes	$ 5.96	15%				
Record	6.27	20%				
Clock	9.76	20%				
Hand Calculator	16.93	25%				
Hair Dryer	18.43	25%				
Watch	39.90	10%				
Telephone	49.29	30%				
Camera	52.38	30%				
10 Speed Bike	99.25	15%				
Stereo Receiver	217.88	50%				

SHOPPING - FIFTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Compute sales tax and total purchase price on a given item.
Compute down payment on a purchase.
Understand the concept of financing a purchase.
Compute the amount to be financed.
Compute interest.
Compute monthly payment.
Understand the concept of unit pricing.

Activities:

Day 1 *Complete "Installment Purchase 2" worksheet.*

Review with the students the idea of installment buying. Although the installment payment is not obtained on this worksheet it is necessary to complete this work to lead into "Installment Purchase 2" worksheet. Using an overhead transparency of "Installment Purchase 2" worksheet read the directions with the students and do at least one of the problems with the students. Calculators would be useful in all of the lessons this week.

Day 2 *Begin "Installment Purchase 3" worksheet...*

This worksheet is difficult because it involves many mathematical operations from previous worksheets. Using an overhead transparency of "Installment Purchase 3" worksheet, work with the students at least through financing for the second year. Since simple interest is used on this worksheet, record the amount of interest twice for 2 years and three times for 3 years.

Day 3 *Complete "Installment Purchase 3" worksheet.*

In the booklet there is included an optional "Installment Purchase 4" worksheet. This worksheet could be completed with items the students would like to actually buy or any two items purchased in the FACELIFT unit. This is a great assignment for extra credit.

Day 4 *Complete "Better Buy" worksheet.*

Obtain the weights and current local prices of ten grocery or drugstore items. It is necessary to price a small and large container of the same brand. Have students record this information on their worksheets and then compute the unit price of each item. Complete the worksheet by indicating which containers are the better buys. For a "hands on" experience, bring in the actual products or their empty containers and allow the students to locate and record the weights and costs before computing unit prices. Calculators are very helpful for this lesson.

Materials: *Ditto copies of:*

"Installment Purchase 2" worksheet
"Installment Purchase 3" worksheet
"Installment Purchase 4" worksheet (optional)
"Better Buy" worksheet

Overhead transparencies of:

"Installment Purchase 2" worksheet
"Installment Purchase 3" worksheet

Class set of calculators (Optional)
Assorted drugstore and grocery items

INSTALLMENT PURCHASE 2

Name ____________________

Date ____________ Peroid ____________

A customer may purchase an item and pay for it in installments (monthly payments). Most stores require a small down payment (from 5% to 20%) and will finance the balance. The customer must pay interest on the amount the store is financing. When customers purchase items on an installment plan they sign a legal document stating that they will make regular payments for a specified length of time. In this legal document the store must tell the customer the interest rate charged, amount of each payment, and how many payments are due. Compute the amounts needed for each of the following items. Remember to round off each answer to the nearest cent.

ITEM: COLOR TV

Selling price	$560.00
6% sales tax	+ ________
Total purchase price	________
15% down payment	- ________
Need to finance	________
18% interest per year	________

ITEM: CAMPING EQUIPMENT

Selling price	$382.50
6% sales tax	+ ________
Total purchase price	________
15% down payment	- ________
Need to finance	________
20% interest per year	________

ITEM: AM/FM STEREO

Selling price	$447.00
6% sales tax	+ ________
Total purchase price	________
10% down payment	- ________
Need to finance	________
19% interest per year	________

ITEM: VIDEO MACHINE

Selling price	$485.90
6% sales tax	+ ________
Total purchase price	________
20% down payment	- ________
Need to finance	________
21% interest per year	________

INSTALLMENT PURCHASE 3

Name ______________________________

Date ______________ Period __________

First compute the amount needed to be financed and the interest per year for the color tv and stereo set. Next compute the payments for one year, two years, and three years. Notice that as the time of financing payments increases the total amount needed to be repaid also increases but the monthly payment decreases. Remember to round off each answer to the nearest cent.

ITEM: COLOR TV

Selling price $595.90
6% sales tax + ____________
Total purchase price ____________
15% down payment - ____________
Need to finance ____________
19% interest per year ____________

FINANCING: 1 year

Need to finance $ ____________
One year interest + ____________
Total to be repaid ____________
Monthly payment ____________

FINANCING: 2 years

Need to finance $ ____________
First year interest ____________
Second year interest + ____________
Total to be repaid ____________
Monthly payment ____________

FINANCING: 3 years

Need to finance $ ____________
First year interest ____________
Second year interest ____________
Third year interest + ____________
Total to be repaid ____________
Monthly payment ____________

ITEM: STEREO SET

Selling price $1088.40
6% sales tax + ____________
Total purchase price ____________
18% down payment - ____________
Need to finance ____________
21% interest per year ____________

FINANCING: 1 year

Need to finance $ ____________
One year interest + ____________
Total to be repaid ____________
Monthly payment ____________

FINANCING: 2 years

Need to finance $ ____________
First year interest ____________
Second year interest + ____________
Total to be repaid ____________
Monthly payment ____________

FINANCING: 3 years

Need to finance $ ____________
First year interest ____________
Second year interest ____________
Third year interest + ____________
Total to be repaid ____________
Monthly payment ____________

INSTALLMENT PURCHASE 4

Name ____________________

Date ____________ Period ________

Compute the financing for the following items. Discuss with the teacher the items to be purchased. Your teacher will supply you with the current sales tax, down payment and interest percentages. Remember to round off each answer to the nearest cent.

ITEM: ____________		ITEM: ____________	
Selling price	$ ________	Selling price	$ ________
____% sales tax	+ ________	____% sales tax	+ ________
Total purchase price	________	Total purchase price	________
____% down payment	- ________	____% down payment	- ________
Need to finance	________	Need to finance	________
____% interest per year	________	____% interest per year	
FINANCING: 1 year		FINANCING: 1 year	
Need to finance	$ ________	Need to finance	$ ________
One year interest	+ ________	One year interest	+ ________
Total to be repaid	________	Total to be repaid	________
Monthly payment	________	Monthly payment	________
FINANCING: 2 years		FINANCING: 2 years	
Need to finance	$ ________	Need to finance	$ ________
First year interest	________	First year interest	________
Second year interest	+ ________	Second year interest	+ ________
Total to be repaid	________	Total to be repaid	________
Monthly payment	________	Monthly payment	________
FINANCING: 3 years		FINANCING: 3 years	
Need to finance	$ ________	Need to finance	$ ________
First year interest	________	First year interest	________
Second year interest	________	Second year interest	________
Third year interest	+ ________	Third year interest	+ ________
Total to be repaid	________	Total to be repaid	________
Monthly payment	________	Monthly payment	________

BETTER BUY

Name ____________________

Date ____________ Period ________

Item	Small Container			Large Container		
	Weight	Cost	Unit Price	Weight	Cost	Unit Price
1)						
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						

S31

SALES TAX 2A

Name ______________________________

Date ________________ Period ________

Use the California 6½% sales tax schedule to find the amount of tax on each transaction, then add the tax to the transaction for the total price.

	TRANSACTION	AMOUNT OF TAX	TOTAL PRICE
1.	$ .74	$ .05	$ .79
2.	2.08		
3.	4.25		
4.	7.81		
5.	10.19		
6.	12.36		
7.	16.01		
8.	18.53		
9.	20.64		
10.	24.90		
11.	27.73		
12.	31.10		
13.	34.15		
14.	37.83		
15.	41.99		
16.	55.55		
17.	63.91		
18.	78.90		
19.	84.05		
20.	93.90		

SALES TAX 3A

Name______________________________

Date________________ Period_______

To compute the 6½ percent California sales tax you should multiply .065 times the purchase price. Your answer will be a five place decimal. Round the tax to the nearest cent. Write the sales tax and total for each of the following items:

ITEM	PURCHASE PRICE	6½% TAX 5 PLACES	6½% TAX NEAREST CENT	TOTAL COST
Gloves	$ 4.59			
Wallet	9.85			
Shoes	13.98			
Hair Dryer	16.39			
Vest	19.49			
Sleeping Bag	23.19			
Sweats	28.05			
Jacket	38.09			
Cowboy Hat	48.67			
Watch	64.25			
Boots	74.90			
Binoculars	89.75			
Stereo	298.10			
T.V.	369.45			
Pool Table	849.99			

SALES TAX 1

Name Key Pg 58

Date____________Period________

The six percent California sales tax may be found by reading a sales tax chart. When you don't have a chart it is helpful to be able to compute the tax.

Six percent means 6 cents ($.06) for each whole dollar. Write the sales tax and total for each of the following amounts:

amount	tax	total	amount	tax	total
$ 1.00	$ .06	$ 1.06	$ 8.00	.48	8.48
2.00	.12	2.12	10.00	.60	10.60
3.00	.18	3.18	15.00	.90	15.90
4.00	.24	4.24	17.00	1.02	18.02
5.00	.30	5.30	25.00	1.50	26.50
6.00	.36	6.36	50.00	3.00	53.00
7.00	.42	7.42	63.00	3.78	66.78

If six percent tax means that you are charged 6 cents ($.06) for each whole dollar, you would be charged 3 cents ($.03) for each half dollar. Write the sales tax and total for each of the following amounts:

amount	tax	total	amount	tax	total
$ .50	$ .03	$ .53	$14.50	.87	15.37
1.50	.09	1.59	22.50	1.35	23.85
2.50	.15	2.65	36.50	2.19	38.69
3.50	.21	3.71	44.50	2.67	47.17
7.50	.45	7.95	71.50	4.29	75.79
11.50	.69	12.19	75.50	4.53	80.03
13.50	.81	14.31	95.50	5.73	101.23

SALES TAX 2

Name Key Pg 59

Date____________Period________

Use the California 6% sales tax schedule to find the amount of tax on each transaction, then add the tax to the transaction for the total price.

	TRANSACTION	AMOUNT OF TAX	TOTAL PRICE
1.	$ .74	$ .05	$ .79
2.	2.08	.12	2.20
3.	4.25	.26	4.51
4.	7.81	.47	8.28
5.	10.19	.61	10.80
6.	12.36	.74	13.10
7.	16.01	.96	16.97
8.	18.53	1.11	19.64
9.	20.64	1.24	21.88
10.	24.90	1.49	26.39
11.	27.73	1.66	29.39
12.	31.10	1.87	32.97
13.	34.15	2.05	36.20
14.	37.83	2.27	40.10
15.	41.99	2.52	44.51
16.	6.27	.38	6.65
17.	22.68	1.36	24.04
18.	33.84	2.03	35.87
19.	44.09	2.65	46.74
20.	47.42	2.85	50.27

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Key, Pg 510

Your tax chart only goes up to $50.91. What if your transaction is more than this? One way would be to split the transaction in half. Find the tax on the schedule for that amount. Double the tax and add this amount to the transaction for the total cost.

Example:

TRANSACTION	DIVIDED BY 2	READ TAX SCHEDULE	DOUBLE THE TAX	ADD TAX TO TRANSACTION
$84.20	$42.10 2)$84.20	$ 2.53	$ 2.53 x 2 $ 5.06	$84.20 +5.06 $89.26

Find the amount of tax and total price for the following transactions.

TRANSACTION	DIVIDED BY 2	READ TAX SCHEDULE	DOUBLE THE TAX	ADD TAX TO TRANSACTION
21. $ 60.30	30.15	1.81	3.62	63.92
22. 75.90	37.95	2.28	4.56	80.46
23. 100.00	50.00	3.00	6.00	106.00
24. 81.88	40.94	2.46	4.92	86.80
25. 95.06	47.53	2.85	5.70	100.76

CORRECT CHANGE 1

Name Key, Pg 513

Date ______ Period ______

You are a cashier and one of your duties is to give the correct change to a customer using the least amount of coins possible. Indicate how much change you should give the customer if a one dollar bill is given in payment for each purchase shown. Also indicate the total number of coins that you should give the customer.

Amount Of Purchase	1¢	5¢	10¢	25¢	50¢	Total No. Of Coins
57¢	3	1	1	1		6
79¢	1		2			3
23¢	2			1	1	4
8¢	2	1	1	1	1	6
42¢	3	1			1	5
36¢	4		1		1	6
94¢	1	1				2
11¢	4		1	1	1	7
63¢	2		1	1		4
85¢		1	1			2

Indicate how much change you should give the customer if a five dollar bill is given in payment for each of the purchases shown.

Amount Of Purchase	1¢	5¢	10¢	25¢	50¢	$1
$ 4.40			1		1	
2.54	1		2	1		2
.67	3	1		1		4
1.29	1		2		1	3
3.88	2		1			1
4.01	4		2	1	1	
.35		1	1		1	4
2.13	2		1	1	1	2
3.72	3			1		1
1.96	4					3

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CORRECT CHANGE 2

Name Key, Pg 514
Date__________ Period________

It is very common for a customer to give a cashier some change in addition to dollar bills to avoid the inconvenience of receiving a large number of coins. For example, if the amount of purchase is $2.06 the customer could give the cashier a five dollar bill plus six cents and should receive three dollars in change. As a cashier you must be able to think fast and give accurate change. Indicate how much change you should give the customer if the amount shown is given in payment for each of the purchases listed. Hint: find the difference in the amount of purchase and payment made. That is the amount of change you must give the customer using the least amount of coins possible.

Amount of Purchase	Payment Made	Change 1¢	5¢	10¢	25¢	50¢	$1	$5
$ .26	$ 1.01				1	1		
.32	1.02			2		1		
.73	1.03		1		1			
.77	1.02				1			
.86	1.01		1	1				
1.16	5.25	4	1				4	
1.47	5.02		1			1	3	
1.58	2.03			2	1			
2.28	5.03				1	1	2	
2.55	5.05					1	2	
2.92	5.02			1			2	
3.09	5.10	1					2	
3.27	5.02				1	1	1	
3.79	5.04				1		1	
4.02	5.10	3	1				1	
6.37	10.12				1	1	3	
7.17	10.25	3	1				3	
11.23	20.03		1		1	1	3	1
14.13	20.25	2		1			1	1
16.93	20.03			1			3	

537

COIN RIDDLES 1

Name ANSWER KEY
Date__________ Period 5/6

Make each of the amounts listed below using exactly 6 coins.

Amount	1¢	5¢	10¢	25¢	50¢
$ .42	2	0	4	0	0
$3.00					6
$1.40			4		2
$ .06	6				
$ .95		4		1	1
$ .32	2	2	2		
$2.60			1		5
$ .67	2	3			1
$ .33	3		3		
$ .42	2		4		
$1.30		1		5	
$ .85		1	3	2	
$2.10			1	2	3
$1.26	1	1	2		2
$1.00		1	2	3	

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COIN PUZZLES 2

Name ANSWER KEY

Date________ Period 517

Make each of the amounts listed below using exactly 8 coins.

Amount	1¢	5¢	10¢	25¢	50¢
$ .86	1	3	2	2	0
$ .70	0	2	6		
$ .28	3	5			
$1.40			4	4	
$ .35	5	0	3		
$ .95		5	2		1
$ .91	1	2	3	2	0
$ .60		4	4	0	
$2.05			3	3	2
$ .25	5	2	1		
$ .40		8			
$1.85		3	2		3
$2.90		1	1	1	5
$1.80		2	2	2	2
$ .94	4	1	1	1	1

INSTALLMENT PURCHASE 1

Name Key, Pg 518

Date________ Period________

Sometimes it is necessary to buy expensive items over a period of time. This is called installment buying. To find weekly or monthly payment, the price of the item is divided by the number of weeks or months desired.

ITEM	TOTAL PRICE	NUMBER OF WEEKS/MONTHS	WEEKLY/MONTHLY PAYMENT
1. AM/FM Stereo	$100.00	2	$ 50.00
		4	$ 25.00
		5	$ 20.00
		10	$ 10.00
2. Color T.V	300.00	5	$ 60.00
		6	$ 50.00
		10	$ 30.00
		12	$ 25.00
3. 10 Speed Bike	120.00	3	$ 40.00
		4	$ 30.00
		8	$ 15.00
		12	$ 10.00
4. 35mm Camera	240.00	6	$ 40.00
		8	$ 30.00
		10	$ 24.00
		12	$ 20.00
5. Video Computer	160.00	4	$ 40.00
		5	$ 32.00
		8	$ 20.00
		10	$ 16.00

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INSTALLMENT PURCHASE 3

Key, Pg 519

Many times the payments do not come out in nice whole numbers. These next 5 are a little harder.

ITEM	TOTAL PRICE	NUMBER OF WEEKS/MONTHS	WEEKLY/MONTHLY PAYMENT
6. Tuxedo	$117.00	3	$ 39.00
		4	$ 29.25
		5	$ 23.40
		6	$ 19.50
7. Pool Table	1095.00	6	$ 182.50
		12	$ 91.25
		15	$ 73.00
		20	$ 54.75
8. Ring	310.50	3	$ 103.50
		5	$ 62.10
		6	$ 51.75
		10	$ 31.05
9. Typewriter	189.60	6	$ 31.60
		8	$ 23.70
		10	$ 18.96
		12	$ 15.80
10. AM/FM Car Stereo	229.80	4	$ 57.45
		6	$ 38.30
		10	$ 22.98
		12	$ 19.15

SALES TAX 3

Name Key, Pg 523

Date________________ Period________

To compute the six percent California sales tax you should multiply .06 times the purchase price. Your answer will be a four place decimal. Round off the tax to the nearest cent. Write the sales tax and total for each of the following items:

ITEM	PURCHASE PRICE	6% TAX 4 PLACES	6% TAX NEAREST CENT	TOTAL COST
Belt	$ 5.59	.3354	.34	5.93
Slacks	12.17	.7302	.73	12.90
Shoes	14.79	.8874	.89	15.68
Jacket	21.39	1.2834	1.28	22.67
Hand Calculator	16.49	.9894	.99	17.48
Desk Calculator	38.63	2.3178	2.32	40.95
Elec. Can Opener	16.83	1.0098	1.01	17.84
Blender	24.08	1.4448	1.44	25.52
Typewriter	67.25	4.0350	4.04	71.29
Typewriter Stand	24.99	1.4994	1.50	26.49
Clock Radio	39.95	2.3970	2.40	42.35
Turntable	99.67	5.9802	5.98	105.65
10 Speed Bike	127.98	7.6788	7.68	135.66
19" Black & White TV	154.47	9.2682	9.27	163.74
Color TV	459.49	27.5694	27.57	487.06

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DISCOUNT 1

Name Key, Pg 524

Date______________Period__________

A department store is having a special sale on the items listed below. Solve for the amount of discount and the sale price by following these steps on each problem:

a. Change the rate of discount to a decimal fraction and multiply it by the regular price.

b. Round off the answer to the nearest cent (2 places) and list it in the amount of discount column.

c. Find the sale price by subtracting the amount of discount from the regular price.

ITEM	REGULAR PRICE	RATE OF DISCOUNT	AMOUNT OF DISCOUNT	SALE PRICE
Slacks	$ 14.95	10%	1.50	13.45
Shoes	21.95	10%	2.20	19.75
Jacket	23.45	15%	3.52	19.93
Clock Radio	39.68	15%	5.95	33.73
Hand Calculator	18.25	20%	3.65	14.60
Precision Roller Skates	74.95	20%	14.99	59.96
Turntable	99.67	25%	24.92	74.75
Binoculars	129.99	25%	32.50	97.49
19" Black & White TV	154.95	30%	46.49	108.46
10 Speed Bike	127.38	30%	38.21	89.17
Sewing Machine	395.95	15%	59.39	336.56
Color TV	459.49	10%	45.95	413.54

DISCOUNT 2

Name Key, Pg 525

Date______________Period__________

Compute the amount of discount and round off to the nearest cent. Find the sale price by subtracting the amount of discount from the regular price. Compute the sales tax and round off to the nearest cent. The total price is the sum of the sale price and sales tax.

ITEM	REGULAR PRICE	PERCENT OFF	AMOUNT OF DISCOUNT	SALES PRICE	SALES TAX 6%	TOTAL PRICE
Cassettes	$ 5.96	15%	.89	5.07	.30	5.37
Record	6.27	20%	1.25	5.02	.30	5.32
Clock	9.76	20%	1.95	7.81	.47	8.28
Hand Calculator	16.93	25%	4.23	12.70	.76	13.46
Hair Dryer	18.43	25%	4.61	13.82	.83	14.65
Watch	39.90	10%	3.99	35.91	2.15	38.06
Telephone	49.29	30%	14.79	34.50	2.07	36.57
Camera	52.38	30%	15.71	36.67	2.20	38.87
10 Speed Bike	99.25	15%	14.89	84.36	5.06	89.42
Stereo Receiver	217.88	50%	108.94	108.94	6.54	115.48

Pg 525

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INSTALLMENT PURCHASE 2

Name Key, Pg 528

Date ____________ Peroid ____________

A customer may purchase an item and pay for it in installments (monthly payments). Most stores require a small down payment (from 5% to 20%) and will finance the balance. The customer must pay interest on the amount the store is financing. When customers purchase items on an installment plan they sign a legal document stating that they will make regular payments for a specified length of time. In this legal document the store must tell the customer the interest rate charged, amount of each payment, and how many payments are due. Compute the amounts needed for each of the following items. Remember to round off each answer to the nearest cent.

ITEM: COLOR TV

Selling price	$560.00
6% sales tax	+ 33.60
Total purchase price	593.60
15% down payment	- 89.04
Need to finance	504.56
18% interest per year	90.82

ITEM: CAMPING EQUIPMENT

Selling price	$382.50
6% sales tax	+ 22.95
Total purchase price	405.45
15% down payment	- 60.82
Need to finance	344.63
20% interest per year	68.93

ITEM: AM/FM STEREO

Selling price	$447.00
6% sales tax	+ 26.82
Total purchase price	473.82
10% down payment	- 47.38
Need to finance	426.44
19% interest per year	81.02

ITEM: VIDEO MACHINE

Selling price	$485.90
6% sales tax	+ 29.15
Total purchase price	515.05
20% down payment	- 103.01
Need to finance	412.04
21% interest per year	86.53

INSTALLMENT PURCHASE 3

Name Key, Pg 529

Date ____________ Period ____________

First compute the amount needed to be financed and the interest per year for the color tv and stereo set. Next compute the payments for one year, two years, and three years. Notice that as the time of financing payments increases the total amount needed to be repaid also increases but the monthly payment decreases. Remember to round off each answer to the nearest cent.

ITEM: COLOR TV

Selling price	$595.90
6% slaes tax	+ 35.75
Total purchase price	631.65
15% down payment	- 94.75
Need to finance	536.90
19% interest per year	102.01

FINANCING: 1 year

Need to finance	$ 536.90
One year interest	+ 102.01
Total to be repaid	638.91
Monthly payment	53.24

FINANCING: 2 years

Need to finance	$ 536.90
First year interest	102.01
Second year interest	+ 102.01
Total to be repaid	740.92
Monthly payment	30.87

FINANCING: 3 years

Need to finance	$ 536.90
First year interest	102.01
Second year interest	102.01
Third year interest	+ 102.01
Total to be repaid	842.93
Monthly payment	23.41

ITEM: STEREO SET

Selling price	$1088.40
6% sales tax	+ 65.30
Total purchase price	1153.70
18% down payment	- 207.67
Need to finance	946.03
21% interest per year	198.67

FINANCING: 1 year

Need to finance	$ 946.03
One year interest	+ 198.67
Total to be repaid	1144.70
Monthly payment	95.39

FINANCING: 2 years

Need to finance	$ 946.03
First year interest	198.67
Second year interest	+ 198.67
Total to be repaid	1343.37
Monthly payment	55.97

FINANCING: 3 years

Need to finance	$ 946.03
First year interest	198.67
Second year interest	198.67
Third year interest	+ 198.67
Total to be repaid	1542.04
Monthly payment	42.83

SALES TAX 2A

Name Key, Pg 532

Date______________ Period________

Use the California 6½% sales tax schedule to find the amount of tax on each transaction, then add the tax to the transaction for the total price.

	TRANSACTION	AMOUNT OF TAX	TOTAL PRICE
1.	$ .74	$ .05	$ .79
2.	2.08	.14	2.22
3.	4.25	.28	4.53
4.	7.81	.51	8.32
5.	10.19	.66	10.85
6.	12.36	.80	13.16
7.	16.01	1.04	17.05
8.	18.53	1.20	19.73
9.	20.64	1.34	21.98
10.	24.90	1.62	26.52
11.	27.73	1.80	29.53
12.	31.10	2.02	33.12
13.	34.15	2.22	36.37
14.	37.83	2.46	40.29
15.	41.99	2.73	44.72
16.	55.55	3.61	59.16
17.	63.91	4.15	68.06
18.	78.90	5.13	84.03
19.	84.05	5.46	89.51
20.	93.90	6.10	100.00

SALES TAX 3A

Name Key, Pg 533

Date______________ Period________

To compute the 6½ percent California sales tax you should multiply .065 times the purchase price. Your answer will be a five place decimal. Round the tax to the nearest cent. Write the sales tax and total for each of the following items:

ITEM	PURCHASE PRICE	6½% TAX 5 PLACES	6½% TAX NEAREST CENT	TOTAL COST
Gloves	$ 4.59	.29835	.30	$ 4.89
Wallet	9.85	.64025	.64	10.49
Shoes	13.98	.90870	.91	14.89
Hair Dryer	16.39	1.06535	1.07	17.46
Vest	19.49	1.26685	1.27	20.76
Sleeping Bag	23.19	1.50735	1.51	24.70
Sweats	28.05	1.82325	1.82	29.87
Jacket	38.99	2.53435	2.53	41.52
Cowboy Hat	48.67	3.16355	3.16	51.83
Watch	64.25	4.17625	4.18	68.43
Boots	74.90	4.86850	4.87	79.77
Binoculars	89.75	5.83375	5.83	95.58
Stereo	298.10	19.37650	19.38	317.48
T.V.	369.45	24.01425	24.01	393.46
Pool Table	849.99	55.24935	55.25	905.24

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Answer keys follow the tests.

GROCERY LIST TEST

Name ____________________________________

Date __________________ Period ________

Directions: Study the supermarket advertisements below. The prices shown are for the indicated amount of each item. Use this information to answer the following questions.

Louis Rich-Fresh **Turkey Drums**	per lb.	.69
Roses-Heat 'N Eat **Bit-O-Shrimp**	10 oz. pkg.	1.29
Mild or Hot Roll **Jimmy Dean Sausage**	10 oz. pkg.	1.39
Hardwood-Smoked **Morrell Bacon**	1 lb. pkg.	1.29
Link Style **Jimmy Dean Sausage**	12 oz. pkg.	1.59
McCoy Sliced Pastrami (1.99) **McCoy Beef Strips**	12 oz. pkg.	1.59
Vita Pakt-Pure **Orange Juice**	½ gal. btl.	1.59
Ripple Pack **Leo's Sliced Beef**	3 oz. pkg.	.69
Schirmer's **Beef Thuringer***	9 oz. pkg.	1.79
Schirmer's-Garlic **Summer Sausage***	9 oz. pkg.	1.77
Meat or Beef **Hoffy Wieners**	1 lb. pkg.	1.68
Bristol-Canned **Imported Ham**	1 lb. can	2.49
Canned **Krakus Ham***	3 lb. can	9.89
Canned (5 lb.-12.49) **Armour Star Ham***	3 lb. can	7.99

Mott's **Apple Sauce**	16 oz. jar	.43
Exotic Flavor Assortment **Kern's Nectars**	12 oz. cans	.37
Tomato **Hunt's Ketchup**	14 oz. btl.	.39
Ralphs-33 Gallon **Trash Can Liners**	box of 10	1.18
Laundry Detergent **White King "D"**	42 oz. box	.89
Calgon **Water Softener**	64 oz. box	2.58
Ralphs-4 Gallon **Garbage Bags**	box of 30	.69
Kal Kan-Chunky **MPS Dog Food**	14 oz. can	.37
Ralphs **Food Storage Bags**	box of 25	.55
Minute Maid-Frozen **Grapefruit Juice**	12 oz. can	.69
Supreme, Light Batter-Frozen **Mrs. Paul's Fillet**	18¼ oz. pkg.	2.49
Frozen-Light Batter **Mrs. Paul's Kabob**	10 oz. pkg.	1.39
Oh Boy-Chse., Bacon or Chives **Stuffed Potatoes**	12 oz. pkg.	.43
Birds Eye-Frozen-Peas or **Cut Corn**	10 oz. pkg.	.37

Oh Boy-Package of 2 **Pepperoni Pizza**	20 oz. pkg.	1.79
Mrs. Paul's-Frozen **Egg Plant Sticks**	7 oz. pkg.	.49
White Meat-Frozen **Swift Turkey Roast**	32 oz. pkg.	3.71
Light & Dark Meat **Swift Turkey Roast**	32 oz. pkg.	3.21
Ralphs-Meat or **Beef Bologna**	1 lb. pkg.	1.55
Tomato **Hunt's Ketchup**	24 oz. btl.	.65
Ralphs **Crumb Donuts**	pkg. of 6	.89
Cherry or Red Mix-Unsweetened **Hawaiian Punch**	makes 2 qts.	.12
Regular or Diet-1 Liter* **7 Up***	plus deposit	.39
Diet **Shasta Cola**	2 ltr. btl.	.75
Very Berry **Hawaiian Punch Mix**	makes 8 qts.	1.39
Ralphs **Cotto Salami**	1 lb. pkg.	1.55
Ralphs-Cole Slaw or **Macaroni Salad**	14 oz. cup	.67

1. Which one of the following items costs the most?

A. 1 lb Morrell bacon
B. 1/2 gal orange juice
C. 1 box of trash can liners
D. 1 lb beef bologna

2. Which one of the following items costs the least?

A. 10 oz cut corn
B. 1 liter 7 Up
C. 1 lb turkey drums
D. 14 oz Hunt's ketchup

3. How much will it cost to purchase the following items: 1 lb Hoffy wieners, 42 oz White King "D", 1 lb beef bologna, and 1/2 gal orange juice.

A. \$3.71 B. \$4.12 C. \$5.41 D. \$5.71

4. Which one of the following purchases costs the least?

A. 3 boxes garbage bags
B. 5 cans MPS dog food
C. 2 lb cotto salami
D. 5 jars apple sauce

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GROCERY LIST TEST

5. Which of the following items costs closest to $2.00?

A. 1 pkg Mrs. Paul's fillet	C. 9 oz summer sausage
B. 1 lb Morrell bacon	D. 1 lb Hoffy winers

6. How much change will you recieve from $5 if you purchased 3 packages of egg plant sticks?

A. $1.47   B. $3.53   C. $4.47   D. $4.53

7. How much will it cost to purchase the following items: 2 cans MPS dog food, 1 can Armour Star ham. 3 cups macaroni salad, 1 pkg pepperoni pizza.

A. $12.53   B. $10.82   C. $10.53   D. $8.82

8. Which of the following purchases costs the most?

A. 4 liters Shasta cola	C. 9 oz beef thuringer
B. 2 pkgs crumb donuts	D. 4 jars apple sauce

9. Which of the following purchases is closest to $3.50?

A. 3 lbs Morrell bacon	C. 2 lbs Hoffy wieners
B. 5 cans grapefruit juice	D. 3 boxes trash can liners

10. How much change will you receive from $10 if you purchased 2 packages of eggs plant sticks, 3 cans Kern's nectars and 2 packages of Bit-O-Shrimp?

A. $2.15   B. $4.67   C. $5.33   D. $7.85

11. What is the cost of one ounce of Leo's slice beef?

A. $.28   B. $.23   C. $.18   D. $.25

12. Which one of the following items cost the most?

A. 3 liters 7 up	C. 3 pkgs pepperoni pizza
B. 2 boxes water softener	D. 8 cans grapefruit juice

13. What is the approximate cost of one ounce of beef thuringer?

A. $.16   B. $.18   C. $.20   D. $.22

14. How much change will you receive from $20 if you purchase the following items: 3 packages of summer sausage, 2 pounds of imported ham, and 3 pounds of cotto salami.

A. $14.94   B. $4.96   C. $5.06   D. $5.17

DRUGSTORE SHOPPING TESTS

Name ____________________

Date ______________ Period ______

Directions: Study the drugstore price list below. The prices shown are for the indicated amount of each item. Use this information to answer the following questions. (Prices include sales tax).

PRO TOOTHBRUSH .39	SCHICK SUPER II ULTREX BLADES .99	SUMMERS EVE TWIN PACK .97	HEAD & SHOULDERS SHAMPOO 15 oz 2^{19}
MILK PLUS 6 SHAMPOO 12 oz 1^{89}	KLEENEX TISSUE 1^{07}	PRELL CONCENTRATE 3 oz 1^{07}	COVER GIRL MASCARA .43 oz 1^{37}
TYLENOL CAPSULES 2^{99}	BAND-AID BRAND BANDAGES 1^{27}	SECRET ROLL-ON DEODORANT 1.5 oz 1^{09}	PREFERENCE HAIR COLOR 2^{29}
SCHICK SUPER II ULTREX RAZOR 2^{89}	DESENEX SPRAY 5.5 oz 2^{49}	SCOPE MOUTHWASH 12 oz 1^{19}	STYLE HAIR SPRAY 8 oz .79

1. Which one of the following items costs the most?

   A. Schick Super II Ultrex razor
   B. Preference hair color
   C. Pro toothbrush
   D. Style hair spray

2. Which one of the following items costs the least?

   A. Milk Plus 6 shampoo
   B. Head and Shoulders shampoo
   C. Prell Concentrate
   D. Scope mouthwash

3. How much will it cost to purchase the following three items: Pro toothbrush, Scope mouthwash, and Band-Aid brand bandages?

   A. $2.87 B. $2.85 C. $3.12 D. $3.05

4. Which one of the following purchases costs the least?

   A. 7 toothbrushes
   B. 2 tubes of mascara
   C. 1 Schick razor
   D. 3 cans of hair spray

5. Which one of the following items costs closest to $3.00?

   A. 9 oz Prell Concentrate
   B. 1 Schick razor
   C. 36 oz Scope mouthwash
   D. 1 bottle Tylenol capsules

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DRUGSTORE SHOPPING TEST

6. How much change will you receive from $10 if you purchased a Schick razor, Schick blades, and Band-Aid bandages?

A. $5.15 B. $4.95 C. $4.85 D. $4.83

7. How much will it cost to purchase all of the following items: 16 oz of hair spray, 11 oz of Desenex spray and .86 oz of mascara?

A. $9.30 B. $4.65 C. $5.44 D. $8.89

8. Which of the following purchases is closest to $5.00?

A. 15 oz Prell Concentrate C. 30 oz Head & Shoulders shampoo
B. 48 oz mouthwash D. 2 Schick razors

9. How much change will you receive from $10 if you purchased all of the following items: 1 toothbrush, 12 oz mouthwash, 3 oz Secret roll-on deodorant, and 24 oz of hair spray?

A. $6.13 B. $4.87 C. $3.87 D. $5.33

10. Which is a better buy?

A. 12 oz of Milk Plus 6 shampoo
B. 3 oz of Prell Concentrate
C. 15 oz of Head & Shoulders

11. How much change would you receive from a 20 dollar bill if you purchased 2 bottles of Tylenol capsules, a can of Desenex spray and 3 tubes of Cover Girl mascara?

A. $8.42 B. $7.42 C. $8.58 D. $8.52

12. How many packages of Schick Super II Ultrex blades can you purchase for $5?

A. 3 pkgs B. 6 pkgs C. 4 pkgs D. 5 pkgs

13. What is the total cost of 3 toothbrushes, 2 Schick razors, 2 cans of hair spray and 4 bottles of Head & Shoulders shampoo?

A. $17.29 B. $18.49 C. $18.29 D. $17.38

14. How many bottles of Scope mouthwash can you buy for $10?

A. 10 bottles B. 8 bottles C. 7 bottles D. 6 bottles

CORRECT CHANGE TEST

Name ______________________________

Date ________________ Period ________

Directions: Indicate how much change you should give a customer if a one dollar bill is given in payment for each purchase shown.

Amount Of Purchase	1¢	5¢	10¢	25¢	50¢	Total No. Of Coins
6¢						
24¢						
39¢						
62¢						
88¢						

Indicate change if five dollar bill is given in payment.

Amount Of Purchase	1¢	5¢	10¢	25¢	50¢	$1
$ .53						
1.71						
2.20						
3.17						
4.93						

Indicate how much change you should give the customer if the amount shown is given in payment for each purchase listed.

Amount Of Purchase	Payment Made	1¢	5¢	10¢	25¢	50¢	$1	$5
.31	$ 1.01							
.77	1.02							
1.68	2.03							
3.27	5.02							
11.93	20.03							

SALES TAX TEST

Name____________________________

Date________________Period_______

Directions: Compute the sales tax and total for each amount below using 6% sales tax.

amount	tax	total	amount	tax	total
$ 2.00	$	$	$ 1.50	$	$
11.00			15.50		
25.00			21.50		
33.00			48.50		
64.00			59.50		
88.00			72.50		
101.00			111.50		

Compute the 6% sales tax on each purchase price. Your answer will be a four place decimal. Round off the tax to the nearest cent. Write the sales tax and total for each of the following prices.

PURCHASE PRICE	6% TAX 4 PLACES	6% TAX NEAREST CENT	TOTAL COST
$ .59			
3.08			
8.15			
15.34			
16.70			
29.21			
43.99			
82.41			
137.62			
403.86			

TS6

SPRING WARDROBE TEST

Name ____________________

Date ____________ Period ________

Catalog used SEARS

Complete a spring wardrobe to be purchased from your current income.

Catalog No.	How Many	Item	Page No.	Color	Size	Price	Weight	
							lbs.	ozs.
67A86367F	1 pr	Ranch-style boots	317	Tan	10	$36.99	5	4
76Ay7313F	1 pr	Gym-shoe-converse	323	Blk	10	12.99	2	7
33A22001	6 pr	Tube-style socks	515	Asst	10	6.76		12
41A24504F	2 pr	Denim flared jeans	479	Blue	med	26.00	2	8
41A79752F	1	Sport shirt	476	Brn	L	12.99		10
41A76795F	2	Work shirt	479	Blue	L	15.98	1	6
33A46884F	1	Belt	478	Brn	32	6.50		5
33A46858F	1	Belt strap	480	Brn	32	4.50		4
33A46856	1	Belt buckle	480			2.50		5
45A55237F	1	Vest	505	Tan	L	10.99		10
51A51129F	1	Jacket	535	Blue	L	21.00	1	12

FIRST SUBTOTAL	
SALES TAX	
SECOND SUBTOTAL	
SHIPPING COSTS	2.20
TOTAL	

SPRING WARDROBE TEST

Name______________________________

Date________________Period________

Directions: Study the sample spring wardrobe order form and answer the following questions.

1. Which one of these items costs the most?

   A. boots B. jacket C. vest D. socks

2. Which one of these items costs the least?

   A. belt strap C. belt
   B. 3 pairs of socks D. vest

3. Which one of these items is closest to 1 pound?

   A. work shirt B. jacket C. vest D. 6 pairs of socks

4. How much does one work shirt weigh?

   A. 8 oz B. 11 oz C. 1 lb 6 oz D. 9 oz

5. If you bought the jacket in four payments, how much would each payment be?

   A. $21.00 B. $10.50 C. $5.25 D. $5.00

6. How much does each work shirt cost?

   A. $15.98 B. $8.00 C. $7.89 D. $7.99

7. Which one of these items costs the most?

   A. 1 jacket B. 3 belts C. 3 work shirts D. 2 vests

8. What is the first subtotal of this catalog order?

   A. $157.20 B. $165.20 C. $157.11 D. $167.24

9. What is the total weight of this order?

   A. 19 lb 3 oz B. 16 lb 3 oz C. 17 lb 11 oz D. 1183 oz

Write the following answers directly on the order form:

10. Compute 6% sales tax on the first subtotal.

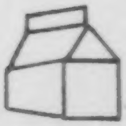
11. Compute the amount of the second subtotal.

12. Compute the total cost of the order.

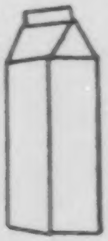
BETTER BUYS #1 TEST

Name________________________________

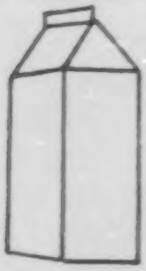
Date________________Period____________



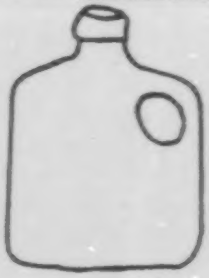
pint = 16 oz
35¢



quart = 32 oz
59¢



1/2 gallon = 64 oz
$1.06



gallon = 128 oz
$2.05

1. How many pints are in a quart?
   A. 1　B. 2　C. 3　D. 4

2. How many pints are in 1/2 gallon?
   A. 2　B. 4　C. 6　D. 8

3. How many quarts in 1/2 gallon?
   A. 1　B. 2　C. 3　D. 4

4. What is the price of five half gallons of milk?
   A. $5.30　B. $10.25　C. $1.11　D. $8.50

5. How much would you save if you bought one gallon of milk instead of four quarts?
   A. $2.36　B. $1.31　C. $.31　D. $31

6. How much would you save if you bought one gallon of milk instead of two half gallons?
   A. $.70　B. $.07　C. $1.06　D. $2.12

7. What is the ratio of a pint to a quart?
   A. 1/2　B. 1/4　C. 2/1　D. 4/1

8. What is the ratio of the price of one pint of milk to the price of one gallon of milk in lowest terms?
   A. 35/205　B. 7/41　C. 1/8　D. 8/1

9. How many pints are in one gallon?
   A. 2　B. 4　C. 6　D. 8

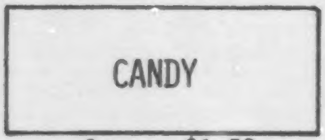
10. Which container is the better buy?
    A. Pint　B. Quart　C. 1/2 gallon　D. Gallon

BETTER BUYS #2 TEST

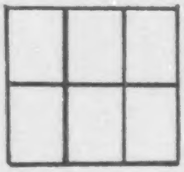
Name____________________

Date____________ Period______

4 oz = 89¢



8 oz = $1.59



Box of 6 =
$1.75
1.45 oz each

1. How many total ounces are in the box of candy bars?

   A. 1.45 B. 4.35 C. 8.7 D. 6

2. How much would you save if you bought one box of candy bars instead of two 4 oz bars?

   A. $.86 B. $.03 C. $3 D. $.16

3. What would be the total cost of five 4 oz candy bars?

   A. $4.45 B. $4.05 C. $5.45 D. $4.40

4. How much would each person pay if 3 people shared the 8 oz candy bar?

   A. $53 B. $.78 C. $.79 D. $.53

5. How many boxes of candy bars can you buy for $10?

   A. 7 B. 6 C. 5 D. 4

6. How many candy bars would each person receive if 4 people shared the box of candy bars?

   A. 1/2 B. 2 1/2 C. 1 1/2 D. 1/3

7. How much money would you save if you bought one 8 oz candy bar instead of two 4 oz candy bars?

   A. $.19 B. $.70 C. $19 D. $.21

8. How much change would you receive from a $10 bill if you bought five boxes of candy bars?

   A. $1.25 B. $8.75 C. $2.25 D. $2.05

9. What is the ratio of the 8 oz bar to the 4 oz bar?

   A. 8/4 B. 1/2 C. 2/1 D. 4/8

10. If a 1.45 oz bar is usually $.30, how much do you save by buying the box of candy bars?

    A. $1.75 B. $1.80 C. $5 D. $.05

11. Which is the better buy?

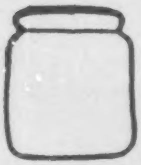
    A. 4 oz bar B. 8 oz bar C. Box of candy bars

TS10

BETTER BUYS #3 TEST

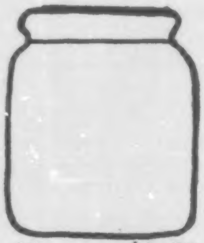
Name________________________________

Date______________________Period______



6 oz = 75¢
small

12 oz = $1.25
medium



18 oz = $1.79
large

1. How many small jars are equal to the large jar?

A. 1 B. 2 C. 3 D. 4

2. How much would you save if you bought one medium jar instead of two small jars?

A. $.50 B. $1.50 C. $.25 D. $25

3. How much would you save if you bought one large jar instead of three small jars?

A. $.46 B. $1.79 C. $2.25 D. $.54

4. What is the ratio of a small jar to a large jar?

A. 1/2 B. 1/3 C. 2/1 D. 3/1

5. What is the ratio of the price of a small jar compared to a medium jar in lowest terms?

A. 75/125 B. 3/5 C. 5/3 D. 1/2

6. What is the difference in price between a large and small jar?

A. $1.14 B. $.94 C. $1.04 D. $2.54

7. What is the total price of all three jars?

A. $3.79 B. $2.79 C. $4.79 D. $3.59

8. What is the total weight of all three jars?

A. 2 lb 4 oz B. 2 lb C. 2 lb 2 oz D. 2 lb 3 oz

9. How much would each person have to pay if five people shared the cost of the small jar?

A. $.25 B. $.15 C. $.13 D. $13

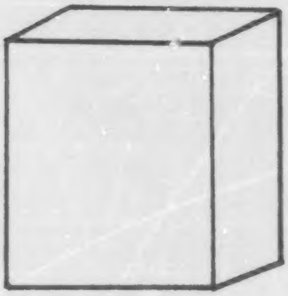
10. Which jar is the better buy?

A. small B. medium C. large

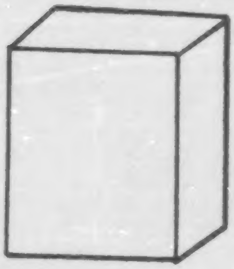
BETTER BUYS #4 TEST

Name______________________________

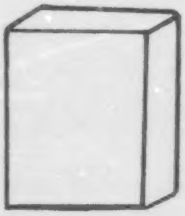
Date________________Period________



20 oz = $2.43
large



15 oz = $1.89
medium



10 oz = $1.33
small

1. What is the ratio of the small box to the medium box in lowest terms?
   A. 10/15   B. 2/3   C. 15/10   D. 3/2

2. What is the ratio of the medium box to the large box in lowest terms?
   A. 15/20   B. 3/4   C. 20/15   D. 4/3

3. What is the ratio of the small box to the large box in lowest terms?
   A. 10/20   B. 1/2   C. 20/10   D. 2/1

4. How much money would you save if you bought a large box instead of two small ones?
   A. $1.10   B. $.23   C. $23   D. $.56

5. How much money would you save if you bought two medium boxes instead of three small ones?
   A. $.56   B. $21   C. $3.01   D. $.21

6. How much money would each person pay if three people shared the cost of the medium box.
   A. $.63   B. $.66   C. $63   D. $.69

7. How much change from a $10 bill would you receive if you bought four large boxes?
   A. $8.43   B. $7.57   C. $.28   D. $1.28

8. What is the total price of all 3 boxes?
   A. $5.65   B. $4.65   C. $5.55   D. $5.75

9. What is the total weight of the three boxes?
   A. 2 lb 10 oz   B. 2 lb 13 oz   C. 2 lb 15 oz   D. 3 lb

10. Which box is the better buy?
    A. small   B. medium   C. large

SHOPPING TEST

Name______________________________

Date________________Period______

ITEM	TOTAL PRICE	NUMBER OF WEEKS/MONTHS	WEEKLY/MONTHLY PAYMENTS
Radio	$ 95.40	2	$__________
		3	$__________
		4	$__________
		5	$__________
		6	$__________

ITEM	REGULAR PRICE	RATE OF DISCOUNT	AMOUNT OF DISCOUNT	SALE PRICE
Pants	$ 15.00	10%	________	________
Shoes	$ 24.95	15%	________	________
T.V.	$189.96	25%	________	________

ITEM	REGULAR PRICE	PERCENT OFF	AMOUNT OF DISCOUNT	SALES PRICE	SALES TAX ____%	TOTAL PRICE
Tape	$12.50	10%	______	______	______	______
Jacket	$49.85	15%	______	______	______	______
Tent	$75.88	25%	______	______	______	______

ITEM: Mag Wheels

Selling price $289.50

6% sales tax + ____________

Total purchase price ____________

15% down payment - ____________

Need to finance ____________

19% interest per year ____________

FINANCING: 1 year

Need to finance $____________

One year interest +____________

Total to be repaid ____________

Monthly payment ____________

ANSWER KEYS TO SHOPPING TESTS

Grocery List Test

1. B
2. A
3. D
4. B
5. C
6. B
7. A
8. C
9. D
10. C
11. B
12. D
13. C
14. C

Drugstore Shopping Test

1. A
2. C
3. B
4. D
5. D
6. C
7. A
8. B
9. C
10. C
11. B
12. D
13. A
14. B

Correct Change Test

See correctly filled out page TS5.

Sales Tax Test

See correctly filled out page TS6.

Spring Wardrobe

1. A
2. B
3. D
4. B
5. C
6. D
7. C
8. A
9. B
10. $9.43 (6% California tax)
11. $166.63
12. $168.83

Better Buys #1 Test

1. B
2. B
3. B
4. A
5. C
6. B
7. A
8. B
9. D
10. D

Better Buys #2 Test

1. C
2. B
3. A
4. D
5. C
6. B
7. A
8. A
9. C
10. D
11. B

ANSWER KEYS TO SHOPPING TEST

Better Buys #3 Test

1. C
2. C
3. A
4. B
5. B
6. C
7. A
8. A
9. B
10. C

Better Buys #4 Test

1. B
2. B
3. B
4. B
5. D
6. A
7. C
8. A
9. B
10. C

Shopping Test

See correctly filled out page TS13.

CORRECT CHANGE TEST

Name Key, Pg TS5

Date__________ Period______

Directions: Indicate how much change you should give a customer if a one dollar bill is given in payment for each purchase shown.

Amount Of Purchase	1¢	5¢	10¢	25¢	50¢	Total No. Of Coins
6¢	4	1	1	1	1	8
24¢	1			1	1	3
39¢	1		1		1	3
62¢	3		1	1		5
88¢	2		1			3

Indicate change if five dollar bill is given in payment.

Amount Of Purchase	1¢	5¢	10¢	25¢	50¢	$1
$ .53	2		2	1		4
1.71	4			1		3
2.20		1		1	1	2
3.17	3	1		1	1	1
4.93	2	1				

indicate how much change you should give the customer if the amount shown is given in payment for each purchase listed.

Amount Of Purchase	Payment Made	1¢	5¢	10¢	25¢	50¢	$1	$5
.31	$ 1.01			2		1		
.77	1.02				1			
1.68	2.03			1	1			
3.27	5.02				1	1	1	
11.53	20.03			1			3	1

SALES TAX TEST

Name Key, Pg TS6

Date__________ Period______

Directions: Compute the sales tax and total for each amount below using 6% sales tax.

amount	tax	total	amount	tax	total
$ 2.00	$ .12	$ 2.12	$ 1.50	$ .09	$ 1.59
11.00	.66	11.66	15.50	.93	16.43
25.00	1.50	26.50	21.50	1.29	22.79
33.00	1.98	34.98	48.50	2.91	51.41
64.00	3.84	67.84	59.50	3.57	63.07
88.00	5.28	93.28	72.50	4.35	76.85
101.00	6.06	107.06	111.50	6.69	118.19

Compute the 6% sales tax on each purchase price. Your answer will be a four place decimal. Round off the tax to the nearest cent. Write the sales tax and total for each of the following prices.

PURCHASE PRICE	6% TAX 4 PLACES	6% TAX NEAREST CENT	TOTAL COST
$ .59	$ .0354	$ .04	$ .63
3.08	.1848	.18	3.26
8.15	.4890	.49	8.64
15.34	.9204	.92	16.26
16.70	1.0020	1.00	17.70
29.21	1.7526	1.75	30.96
43.99	2.6394	2.64	46.63
82.41	4.9446	4.94	87.35
137.62	8.2572	8.26	145.88
403.86	24.2316	24.23	428.09

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SHOPPING TEST

Name Key, Pg TS13

Date________________ Period______

ITEM	TOTAL PRICE	NUMBER OF WEEKS/MONTHS	WEEKLY/MONTHLY PAYMENTS
Radio	$ 95.40	2	$ 47.70
		3	$ 31.80
		4	$ 23.85
		5	$ 19.08
		6	$ 15.90

ITEM	REGULAR PRICE	RATE OF DISCOUNT	AMOUNT OF DISCOUNT	SALE PRICE
Pants	$ 15.00	10%	1.50	13.50
Shoes	$ 24.95	15%	3.74	21.21
T.V.	$189.96	25%	47.49	142.47

ITEM	REGULAR PRICE	PERCENT OFF	AMOUNT OF DISCOUNT	SALES PRICE	SALES TAX .6 %	TOTAL PRICE
Tape	$12.50	10%	1.25	11.25	.68	11.93
Jacket	$49.85	15%	7.48	42.37	2.54	44.91
Tent	$75.88	25%	18.97	56.91	3.41	60.32

ITEM: Mag Wheels

Selling price		$289.50
6% sales tax	+	17.37
Total purchase price		306.87
15% down payment	-	46.03
Need to finance		260.84
19% interest per year		49.56

FINANCING: 1 year

Need to finance	$ 260.84
One year interest	+ 49.56
Total to be repaid	310.40
Monthly payment	25.87

TS13

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FACELIFT

FACELIFT - *Teacher's Introduction*

Imagine - you have received a large sum of money, good for anything you want to completely furnish your room! The old furnishings must go. This is the beginning of "Facelift", an activity which provides a high degree of motivation and involvement for most pupils. It is also loaded with opportunities for learning some very practical mathematics.

At the beginning of this unit, emphasis is placed on the use of the ruler for measuring and drawing with progressive levels of precision. Although this project involves furnishing a bedroom, it would be wise to encourage students to think of any room at home as their room. Pupils should be advised to let their parents know about this activity and discuss furniture choices with them.

During the second week, students are "turned loose" in the wonderful world of mail order catalogs, shopping for what they need and for what they wish they could have. One object is to spend as much as possible of the amount of money they received without going even one penny over.

In the next two weeks, the students will be introduced to scale and proportional drawings. Lessons include converting units to different scales, reading and interpreting floor plans, and computing distances on a map. Simple algebra to solve proportions and changing the size of drawings prepare the students for the final phase of this unit.

The project ends with the students drawing the outline of a room on grid paper. Students apply their knowledge of proportion and scale drawing to reduce furniture to a size appropriate to the scale drawing of the bedroom. Then they cut and arrange their chosen furniture on their room outline.

The completed room arrangements provide a meaningful and decorative wall display. The students have a sense of accomplishment and an expression of self.

FACELIFT - CHRONOLOGY

	DAY 1	DAY 2	DAY 3	DAY 4	
WEEK 1	Complete "Measure Halves" and "Cabin Fever" worksheets.	Complete "Measure Quarters" and "Airplane" worksheets. *School*	Complete "Measure Eighths" and "Train" worksheets. *Week #9*	Complete "Linear Measurement" worksheet.	PAYDAY
WEEK 2	Complete "Room Measurement and Interior Design" worksheet.	Begin "Bedroom Furnishings" worksheet.... *School*	Complete "Bedroom Furnishings" worksheet. *Week #10*	Complete "Measurement Memories" worksheets.	PAYDAY
WEEK 3	OPEN DAY	Complete "Scale: One to One" and "Room 72" worksheets. *School*	Complete "Scale: Two to One" and "Living Room" worksheets. *Week #11*	Complete "Scale: Four to One" and "Valley" worksheets.	PAYDAY
WEEK 4	Complete "Proportions 1" and "Proportions 2" worksheets.	OPEN DAY *School*	Complete "Proportional Drawing 1" and "Proportional Drawing 2" worksheets. *Week #12*	Complete "Proportional Drawing 3" worksheet.	PAYDAY
WEEK 5	Draw to scale the floor plan of a bedroom.	Complete "Furniture Scaling" worksheets. *School*	Cut patterns for furniture and arrange bedroom floor plan. *Week #13*	Complete bedroom floor plan by gluing patterns in place.	PAYDAY

FACELIFT - FIRST WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Measure and draw line segments to the nearest 1, 1/2, 1/4, and 1/8 inch.
Record measurements using correct notation.
Convert linear measurement from inches to feet.

Activities:

Day 1 *Complete "Measure Halves" and "Cabin Fever" worksheets.*

Using an enlarged model of a ruler demonstrate measuring to the nearest 1/2 inch. Using an overhead transparency of the "Measure Halves" worksheet assist the students with the first few measurements and how to draw a point on a line segment. When the students become familiar with 1/2 inch measurements they can use this skill to complete the "Cabin Fever" worksheets.

Day 2 *Complete "Measure Quarters" and "Airplane" worksheets.*

Using an enlarged model of a ruler demonstrate measuring to the nearest 1/4 inch. Using an overhead transparency of "Measure Quarters" worksheet assist the students with the first few measurements. Introduce the use of A' (A prime) and help the students draw A' on line segment AB. When the students complete the "Measure Quarters" worksheet they are ready to begin the "Airplane" worksheets.

Day 3 *Complete "Measure Eighths" and "Train" worksheets.*

Using an enlarged model of a ruler demonstrate measuring to the nearest 1/8 inch. Using an overhead transparency of the "Measure Eighths" worksheet assist the students with the first few measurements. When the students have completed the "Measure Eighths" worksheet they are ready to do the "Train" worksheets.

Day 4 *Complete "Linear Measurement" worksheet.*

Preparation is essential for this lesson. The stations must be selected and labeled prior to students' arrival. (See "Linear Measurement" worksheet.) Have students work in pairs using a tape measure to complete the measurements to the nearest 1/8 inch. All measurements will be recorded in inches and may be converted to feet and inches after all the measurements have been completed.

MATERIALS: *Ditto copies of:*

"Measure Halves" worksheet
"Cabin Fever" worksheets
"Measure Quarters" worksheet
"Airplane" worksheets
"Measure Eighths" worksheet
"Train" worksheets
"Linear Measurement" worksheet plus data sheet

Overhead transparencies of:

"Measure Halves" worksheet
"Measure Quarters" worksheet
"Measure Eighths" worksheet

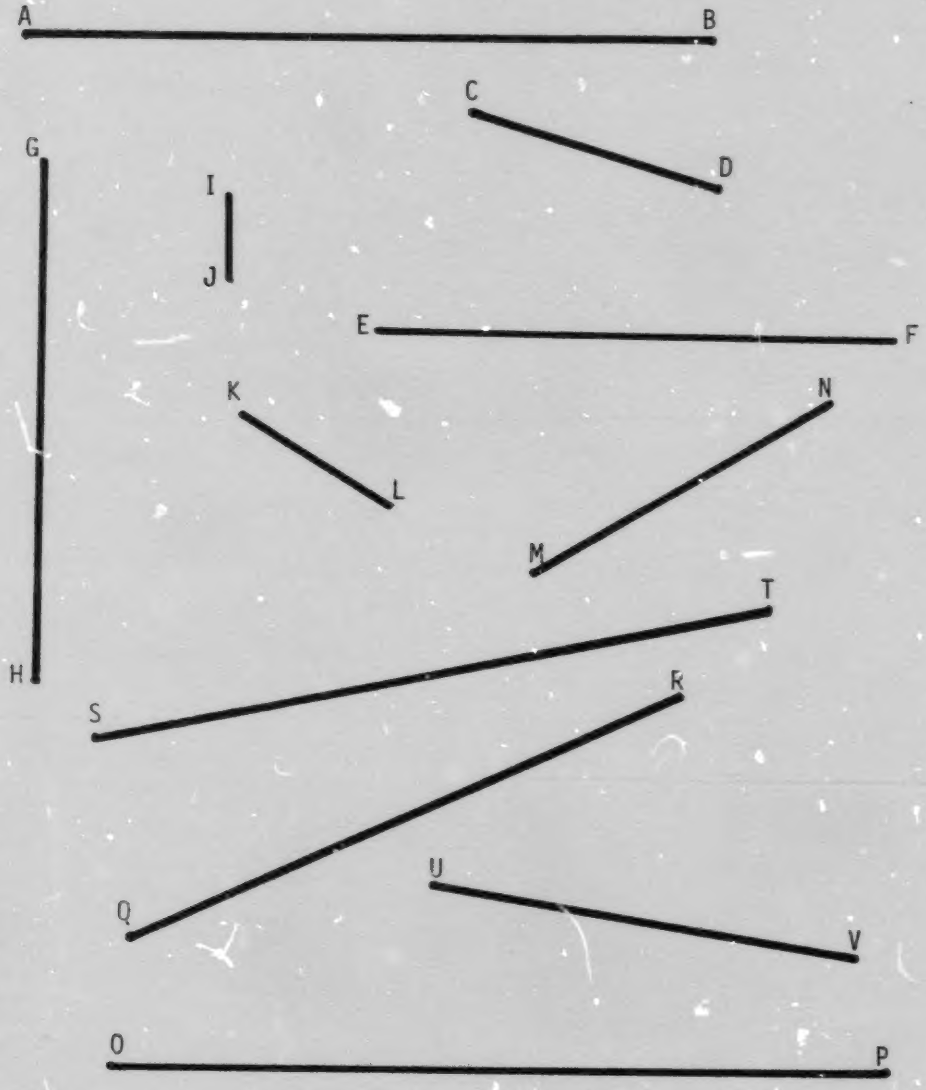
Enlarged model of a ruler
Class set of tape measures
Class set of rulers

MEASURE HALVES

Name______________________________

Date____________________Period______

Measure each segment to the nearest half-inch.



AB=_______in.

CD=_______in.

EF=_______in.

GH=_______in.

IJ=_______in.

KL=_______in.

MN=_______in.

OP=_______in.

QR=_______in.

ST=_______in.

UV=_______in.

Draw Point W on line segment EF, 1 1/2 inches from Point E.
Draw Point X on line segment ST, 1/2 inch from Point S.
Draw Point Y on line segment MN, 1 inch from Point N.
Draw Point Z on line segment QR, 2 1/2 inches from Point R.
On line segment AB draw a point every 1/2 inch starting from Point A.

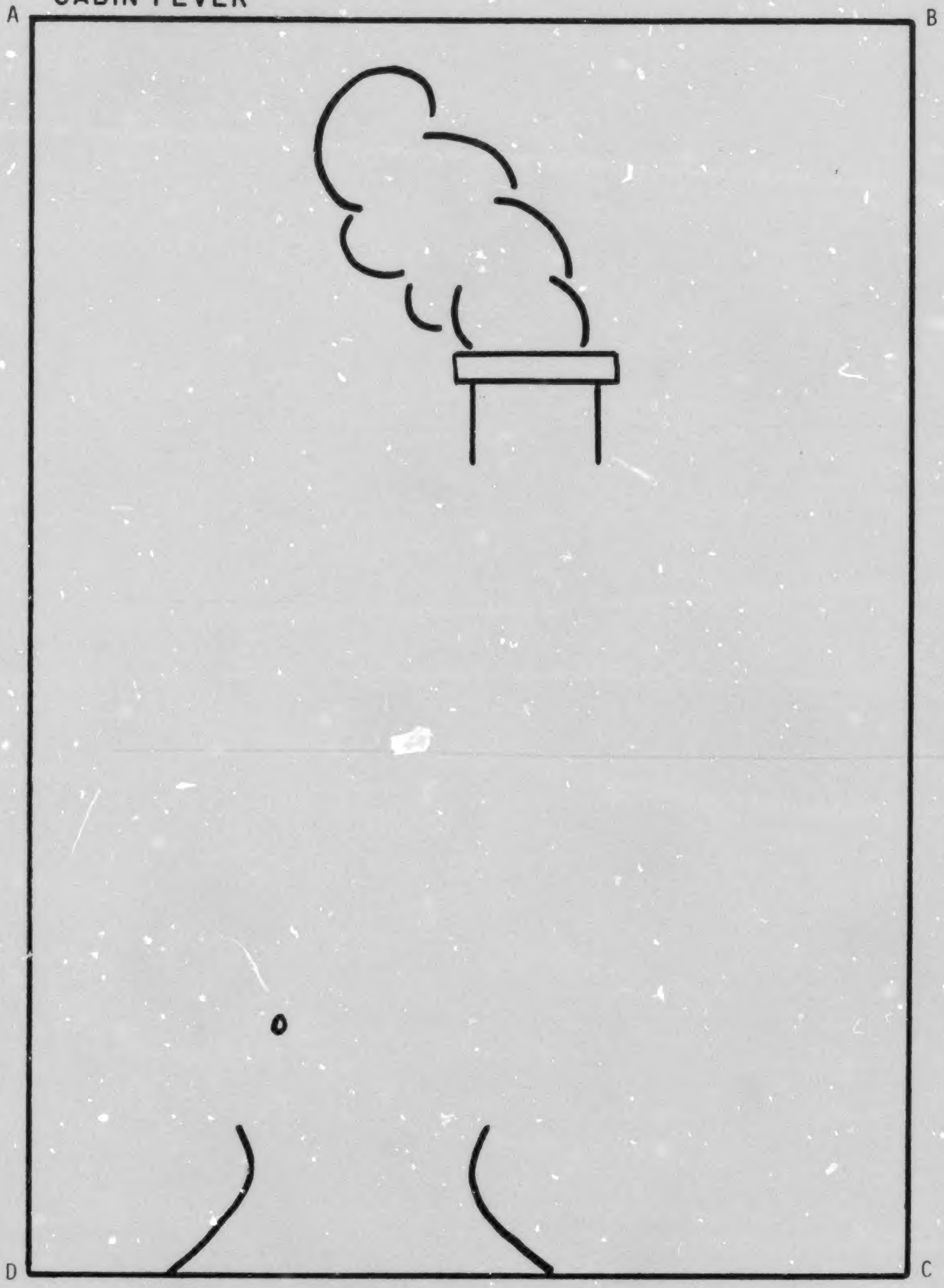
CABIN FEVER

Name______________________________

Date______________Period_________

1. Point E is on line segment BC, 3" from Point B.
2. Point F is on line segment BC, 5" from Point B.
3. Point G is on line segment BC, 7 1/2" from Point B.
4. Point J is on line segment AD, 3" from Point A.
5. Point I is on line segment AD, 5" from Point A.
6. Point H is on line segment AD, 7 1/2" from Point A.
7. Connect Points H and G.
8. Point M is on line segment HG, 1 1/2" from Point H.
9. Point N is on line segment HG, 3" from Point H.
10. Point P is on line segment HG, 4" from Point H.
11. Connect Points I and F.
12. Point L is on line segment IF, 4" from Point I.
13. Connect Points L and P.
14. Place your ruler on line segment FG. Starting from Point F, mark a dot every 1/2" inch. Label the Points Q, R, S and T respectively.
15. Place your ruler on line segment IH. Starting from Point I, mark a dot every 1/2" inch. Label the Points U, V, W and X respectively.
16. Connect Points U and Q.
17. Connect Points V and R.
18. Connect Points W and S.
19. Connect Points X and T.
20. Line up your ruler on Points J and E. Do not connect J and E. Mark a Point K, 2" from Point J.
21. Connect Points K and E.
22. Connect Points K and I.
23. Connect Points K and L.
24. Point Y is on line segment QU, 1 1/2" from Point U.
25. Point Z is on line segment QU, 3" from Point U.
26. Connect Points M and Y.
27. Connect Points N and Z.

CABIN FEVER

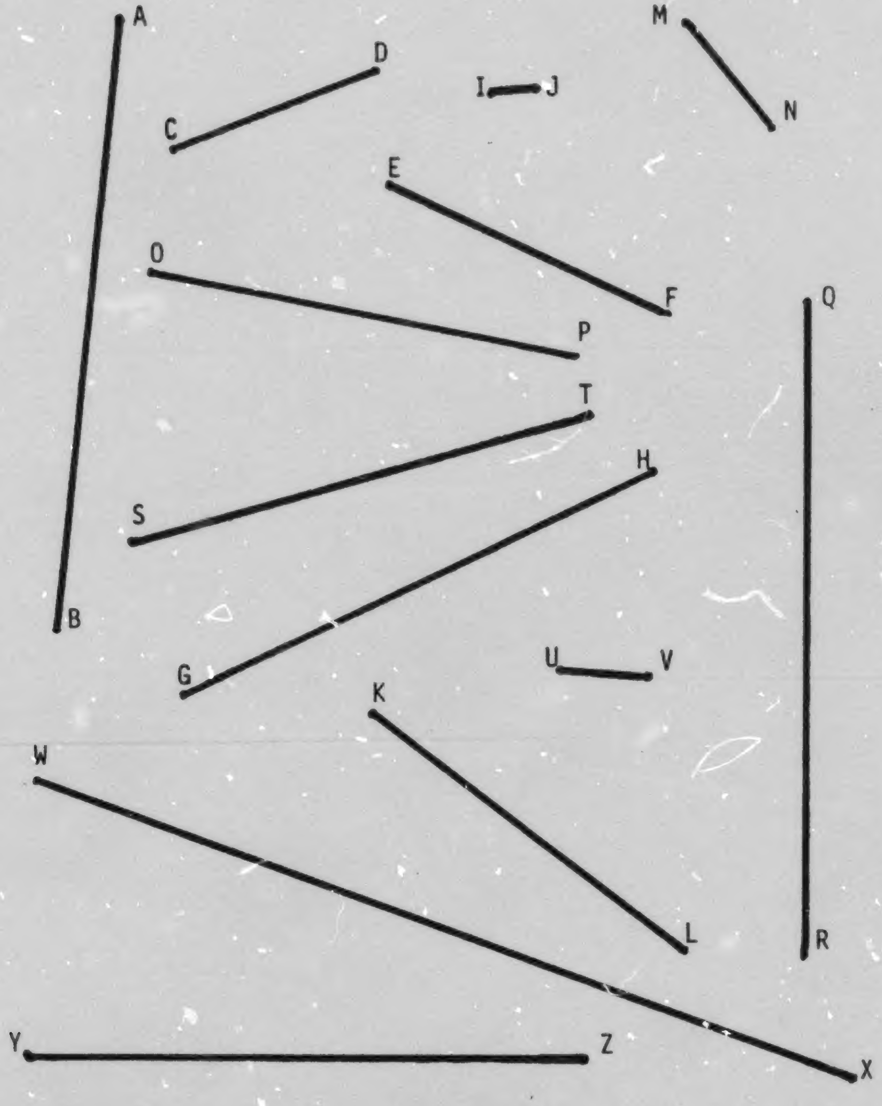


MEASURE QUARTERS

Name________________________________

Date__________________Period__________

Measure each segment to the nearest quarter-inch.



AB=______in.

CD=______in.

EF=______in.

GH=______in.

IJ=______in.

KL=______in.

MN=______in.

OP=______in.

QR=______in.

ST=______in.

UV=______in.

WX=______in.

YZ=______in.

Draw Point A' on line segment AB, 2 1/4 inches from Point A.
Draw Point B' on line segment EF, 3/4 inch from Point E.
Draw Point C' on line segment OP, 1 1/2 inches from Point P.
Draw Point D' on line segment CD, 1/4 inch from Point D.
On line segment QR draw a point every 1/4 inch starting from Point Q.

AIRPLANE

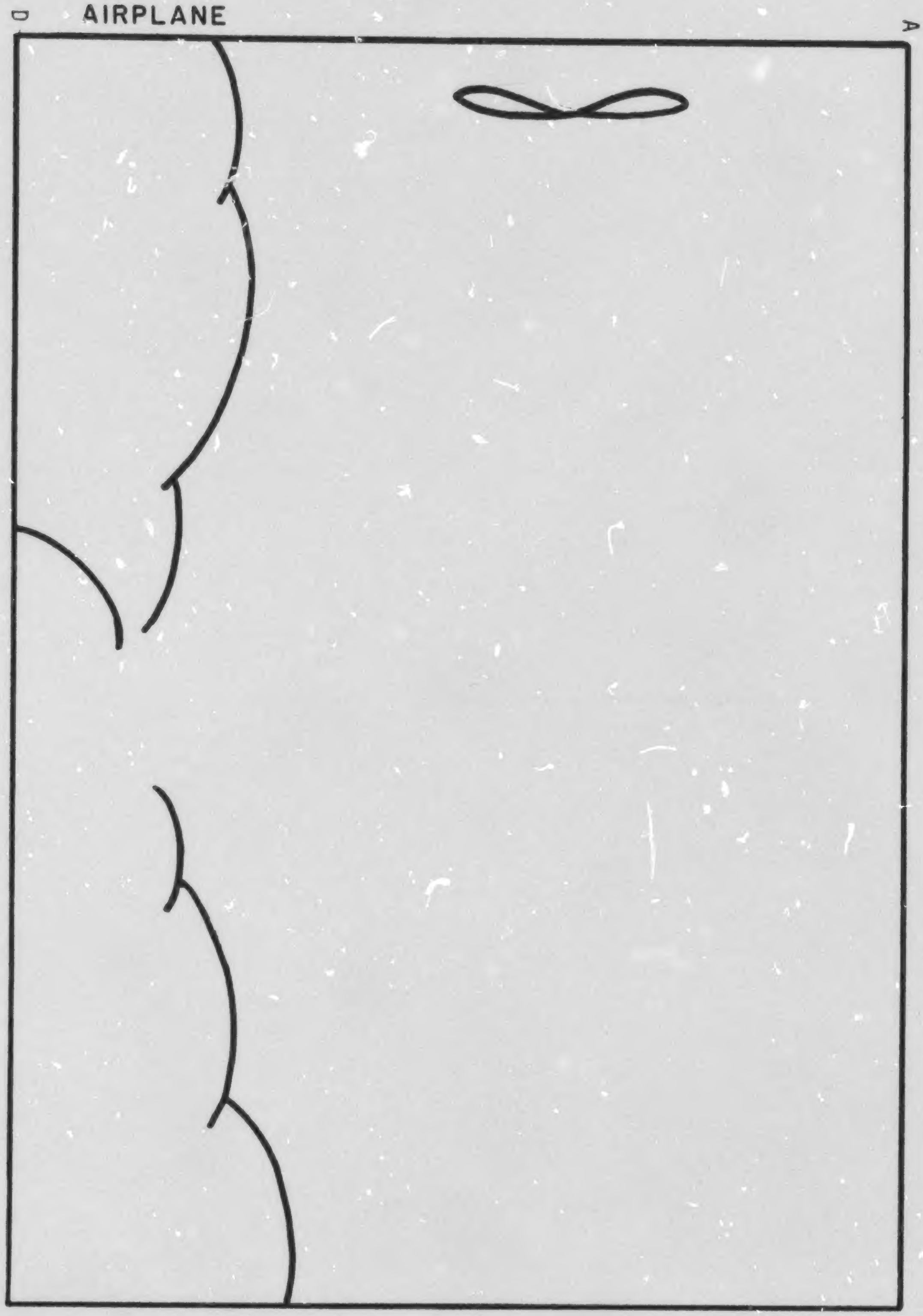
Name________________________________

Date________________Period__________

1. Point E is on line segment AB, 2 1/2" from Point A.
2. Point F is on line segment AB, 3 3/4" from Point A.
3. Point G is on line segment AD, 1 1/2" from Point A.
4. Point H is on line segment BC, 1 1/2" from Point B.
5. Place your ruler on Points G and H. Mark a dot at 2 1/2", 4 1/2", 5", 6 3/4", 7 3/4", and 8" from Point G. Label the Points I, J, K, L, M, and N respectively.
6. Connect Points I and N.
7. Connect Points E and I.
8. Connect Points F and K.
9. Point O is on line segment AD, 1/2" from Point A.
10. Point P is on line segment BC, 1/2" from Point B.
11. Place your ruler on Points O and P. Mark a dot at 7" and 7 1/2" from Point O. Label the Points Q and R respectively.
12. Connect Points Q and R.
13. Connect Points Q and L.
14. Connect Points R and M.
15. Point S is on line segment AD, 1" from Point A.
16. Point T is on line segment BC, 1" from Point B.
17. Place your ruler on Points S and T. Mark a dot at 3" and 4" from Point S. Label the Points U and V respectively.
18. Connect Points U and V.
19. Connect Points U and I.
20. Connect Points V and J.
21. Point W is on line segment AB, 1/2" from Point A.
22. Point X is on line segment DC, 1/2" from Point D.
23. Place your ruler on Points W and X. Mark a dot at 1 3/4" and 2 3/4" from Point W. Label the Points Y and Z respectively.
24. Connect Points Y and Z.
25. Connect Points Y and I.
26. Point A' is on line segment AD, 2 1/2" from Point A.
27. Point B' is on line segment BC, 2 1/2" from Point B.
28. Place your ruler on Points A' and B'. Mark a dot at 2 1/2", 5" and 8" from Point A'. Label the Points C', D', and E' respectively.
29. Connect Points C' and D'.

30. Point F' is on line segment DC, 4 1/2" from Point D.
31. Point G' is on line segment DC, 5" from Point D.
32. Connect Points C' and F'.
33. Connect Points D' and G'.
34. Point H' is on line segment AD, 2" from Point A.
35. Point I' is on line segment BC, 2" from Point B.
36. Place your ruler on Points H' and I'. Mark a dot at 6 3/4" and 7 3/4" from Point H'. Label the Points J' and K' respectively.
37. Connect Point J' and K'.
38. Point L' is on line segment AD, 3" from Point A.
39. Point M' is on line segment BC, 3" from Point B.
40. Place your ruler on Points L' and M'. Mark a dot at 7" and 7 3/4" from Point L'. Label the Points N' and O' respectively.
41. Connect Points N' and O'.
42. Connect Points J' and N'.
43. Connect Points K' and O'.
44. Point P' is on line segment C'F', 1/2" from Point C'.
45. Point Q' is on line segment D'G', 1/2" from Point D'.
46. Connect Points Z and P'.
47. Connect Points Q' and E' except for the area within the wing.
48. Connect Points N and E'.

AIRPLANE

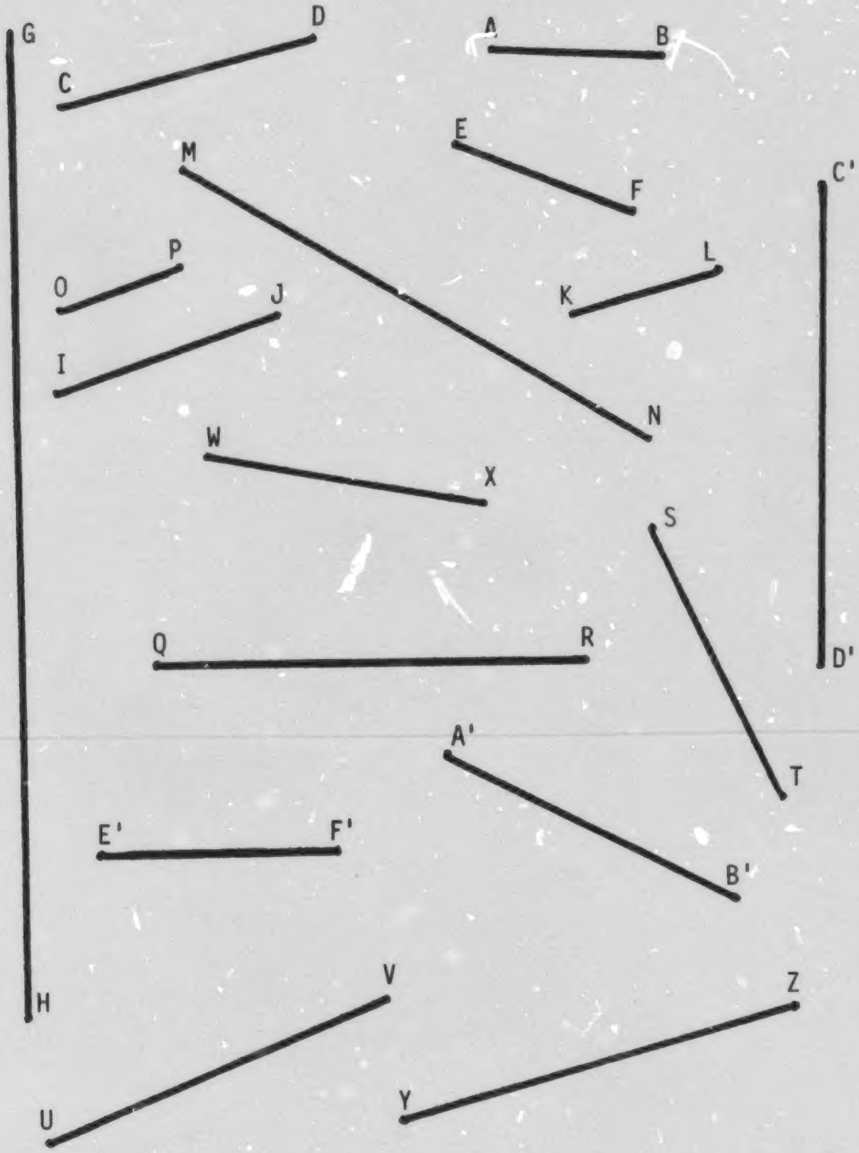


MEASURE EIGHTHS

Name______________________________

Date__________________Period________

Measure each segment to the nearest eighth-inch.



AB=______in.

CD=______in.

EF=______in.

GH=______in.

IJ=______in.

KL=______in.

MN=______in.

OP=______in.

QR=______in.

ST=______in.

UV=______in.

WX=______in.

YZ=______in.

A'B'=______in.

C'D'=______in.

E'F'=______in.

Draw Point G' on line segment OP, 1/8 inch from Point O.
Draw Point H' on line segment GH, 3 7/8 inches from Point H.
Draw Point I' on line segment CD, 5/8 inch from Point D.
Draw Point J' on line segment QR, 1 3/8 inches from Point Q.
On line segment ST, draw a point every 1/8 inch starting from Point S.

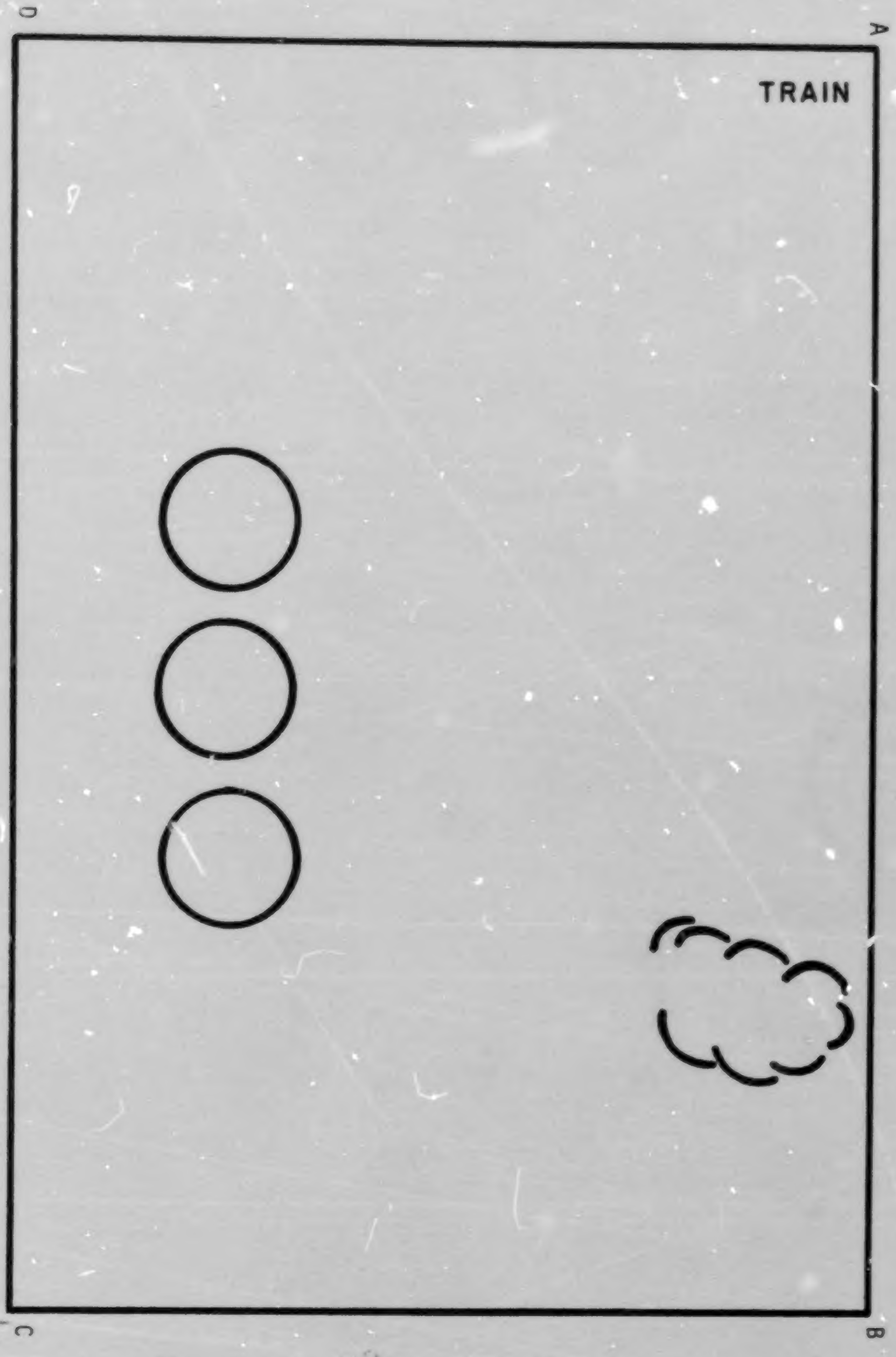
TRAIN

Name____________________

Date__________ Period______

1. Point E is on line segment AD, 1 1/2" from Point A.
2. Point F is on line segment BC, 1 1/2" from Point B.
3. Line up your ruler on Points E and F. Mark a dot at 1", 4", 5 5/8" and 6 3/8". Label these Points G, H, I and J respectively.
4. Connect Points G and H.
5. Connect Points I and J.
6. Point K is on line segment AD, 1 3/4" from Point A.
7. Point L is on line segment BC, 1 3/4" from Point B.
8. Line up your ruler on Points K and L. Mark a dot at 2", 3 1/2", 4 1/2" and 5 1/8". Label these Points M, N, O and P respectively.
9. Connect Points M and N.
10. Connect Points O and P.
11. Point Q is on line segment AD, 2 1/8" from Point A.
12. Point R is on line segment BC, 2 1/8" from Point B.
13. Line up your ruler on Points Q and R. Mark a dot at 4", 4 1/2", 5 1/8", 5 3/4", 6 1/4" and 6 3/4". Label these Points S, T, U , V, W and X respectively.
14. Connect Points S and X.
15. Connect Points H and S.
16. Connect Points O and T.
17. Connect Points P and U.
18. Connect Points I and V.
19. Connect Points J and W.
20. Point Y is on line segment AD, 3 3/8" from Point A.
21. Point Z is on line segment BC, 3 3/8" from Point B.
22. Line up your ruler on Points Y and Z. Mark a dot at 1", 2", 3 1/2", 6 3/4", and 7 1/4". Label these Points A', B', C', D', and E' respectively.
23. Connect Points A' and E'.
24. Connect Points M and B'.
25. Connect Points N and C'.
26. Connect Points X and D'.
27. Point F' is on line segment AD, 4" from Point A.
28. Point G' is on line segment BC, 4" from Point B.

29. Connect Points F' and G'.
30. Point H' is on line segment AD, 1 1/8" from Point D.
31. Point I' is on line segment BC, 1 1/8" from Point C.
32. Line up your ruler on Points H' and I'. Mark a dot at 1" and 7 1/4". Label these Points J' and K' respectively.
33. Connect Points J' and K'.
34. Connect Points G and J'.
35. Point L' is on line segment AD, 7/8" from Point D.
36. Point M' is on line segment BC, 7/8" from Point C.
37. Connect Points L' and M'.
38. Point N' is on line segment L'M', 7 1/4" from L'.
39. Connect Points E' and N'.
40. Connect Points E' and M'.


D
A
TRAIN
C
B

LINEAR MEASUREMENT

Name________________________________

Date__________________Period_________

The following stations are located in different areas of the room. Follow the instructions for each station and record your answers on the back.

1. We want to cover the floor with carpeting. Measure the length and the width of the room.
2. We are going to cover the chalkboard with burlap. Measure the width and the height.
3. We want to put a new formica top on this table. Measure the length and the width of the top.
4. You are going to buy cafe curtains for this room. Measure the width and half of the height of the window.
5. We would like to replace this student table with a new one. Measure the length and the width so that the right size can be ordered.
6. We want to paint the door with enamel paint. Measure the width and height.
7. We want to buy seat cushions for this size chair. Measure the length and width of the seat.
8. This desk is large enough for an adult. Measure the length, the width and the height at its largest dimension.
9. This is the standard size student desk. Measure the length, the width and the height at the highest point.
10. We want to wallpaper the clothing closet. Measure the length, the width and the height.
11. We are going to cover this closet door with woodgrained contact paper. Measure the width and the height.
12. We want to wood panel this bulletin board. Measure the width and the height.
13. We are going to order a filing cabinet similar to this one. Measure the length, the width, and the height.

Station	Length	Width	Height
1			☒
2	☒		
3			☒
4	☒		
5			☒
6	☒		
7			☒
8			
9			
10			
11	☒		
12	☒		
13			

FACELIFT - SECOND WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Distinguish between essential and nonessential bedroom furnishings.
Order bedroom furniture and decorator items to furnish your own room, keeping within allowable costs.
Compute the total cost of furnishings.

Activities:

Day 1 *Complete "Room Measurement and Interior Design" worksheet.*

Discuss and list on the chalkboard the students' ideas about their "dream" bedroom. The students should list these items on the "Room Measurement and Interior Design" worksheet. From this list lead a class discussion on essential and nonessential bedroom furnishings. The essential furnishings must include floor and window coverings, bed frame, mattress and box springs, linens and dresser. Make sure the essential items have been included on the student's "dream" list. Discuss items 21-27 so that the students can circle their choices. To complete the worksheet have the students sketch the floor plan of their room at home on the back of the worksheet.

Day 2 *Begin "Bedroom Furnishings" worksheet...*

Review the essential bedroom furnishings with the students. Using a class set of catalogs have the students begin the "Bedroom Furnishings" worksheet. Pupils are required to order the essential bedroom furnishings first before they purchase any nonessential furnishings such as stereo, tv, etc. A total cost can be established for all students ($1500) or several limits can be established ($1500, $2000, $2500) based on the student's performance in class. Remind the students that they can not exceed their established total cost.

Day 3 *Complete "Bedroom Furnishings" worksheet.*

To complete the worksheet students must find the total cost without exceeding their established limit. Teachers may require sales tax. A miscellaneous bonus can be awarded to the student(s) who comes closest without exceeding their assigned limit.

Day 4 *Complete "Measurement Memories" worksheets.*

These worksheets are a review of the materials covered in the first week of measurement. It consists of 2 sheets which can be run back to back or used as separate assignments. These worksheets could be used as a test.

MATERIALS: *Ditto copies of:*

"Room Measurement and Interior Design" worksheet
"Bedroom Furnishings" worksheet
"Measurement Memories" worksheets

Class set of catalogs
Class set of rulers

ROOM MEASUREMENT AND INTERIOR DESIGN

Name______________________________

Date_______________ Period__________

List the items you would need to furnish your "Dream Room", if you had no limit on the money available to spend.

1.______________________________
2.______________________________
3.______________________________
4.______________________________
5.______________________________
6.______________________________
7.______________________________
8.______________________________
9.______________________________
10.______________________________
11.______________________________
12.______________________________
13.______________________________
14.______________________________
15.______________________________
16.______________________________
17.______________________________
18.______________________________
19.______________________________
20.______________________________

Circle your choices below.

21. Curtains or drapes
22. Carpeting or floor rugs or wooden floors
23. Paint or wallpaper
24. Enamel paint or flat paint
25. Twin or full or queen or king size bed
26. Fitted sheets or flat sheets
27. Regular blanket or electric blanket

On the back of this sheet, sketch the floor plan of your room at home. Include your doors, windows, closet, furniture, etc.

BEDROOM FURNISHINGS

Name________________________________

Date__________________Period__________

Catalog Used________________________________

Given_______________, furnish your bedroom.

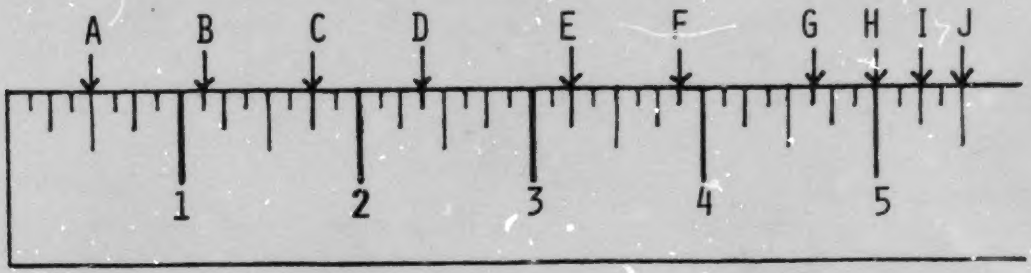
Catalog No.	How Many	Item	Page No.	Color	Size	Price	Weight	
							lbs.	ozs.

MEASUREMENT MEMORIES

Name ______________________________

Date ______________ Period ________

1. What is the measurement from the left end of this ruler to each letter?



TO A? ______________________

TO B? ______________________

TO C? ______________________

TO D? ______________________

TO E? ______________________

TO F? ______________________

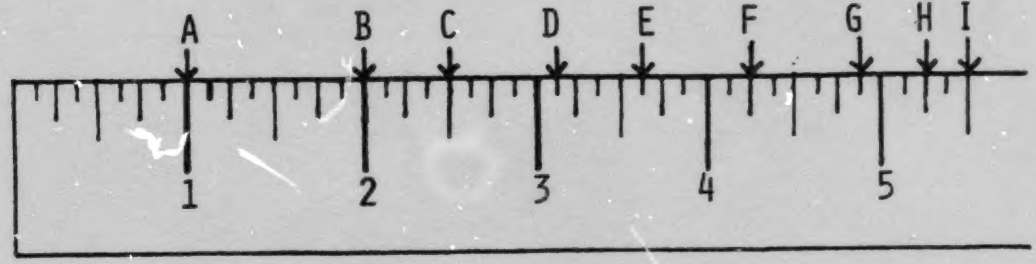
TO G? ______________________

TO H? ______________________

TO I? ______________________

TO J? ______________________

2. Most often, we measure from the left end of the ruler. But sometimes we measure between two points on the ruler. Measure how far it is between the letters on this ruler in inches.



A TO B = ____________

B TO C = ____________

C TO E = ____________

A TO C = ____________

B TO E = ____________

B TO D = ____________

C TO F = ____________

E TO G = ____________

E TO H = ____________

B TO G = ____________

F TO H = ____________

D TO E = ____________

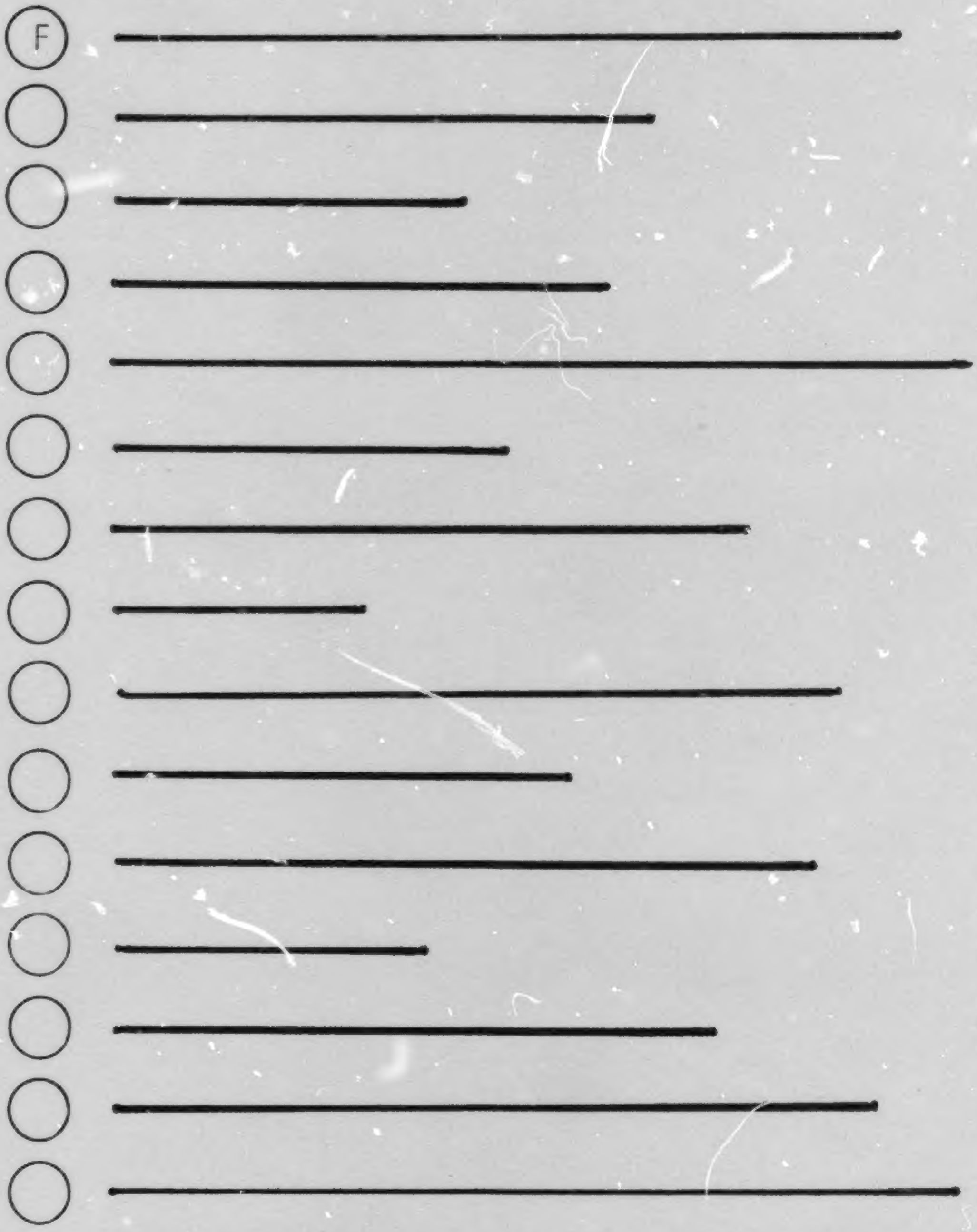
H TO I = ____________

G TO I = ____________

E TO G = ____________

MEASUREMENT MEMORIES

Measure the line segments below to the nearest one-eighth inch. Record the length above each segment. Then find your answer in the answer column. Put the letter of the correct answer in the circle in front of each line segment.



A $3\frac{7}{8}''$
B $1\frac{7}{8}''$
C $2\frac{1}{8}''$
D $2\frac{3}{4}''$
E $4\frac{1}{4}''$
F $4\frac{3}{4}''$
G $2\frac{3}{8}''$
H $4\frac{3}{8}''$
I $4\frac{5}{8}''$
J $3\frac{1}{4}''$
K $5\frac{1}{4}''$
L $3\frac{5}{8}''$
M $5\frac{1}{8}''$
N $1\frac{1}{2}''$
O $3''$

FACELIFT - THIRD WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Convert the measurements of scale drawings on a grid to feet and inches.
Make scale drawings on a grid using given measurements.
Measure the distance between two points and convert it to miles using a given scale.

Activities:

Day 1 *Open Day*

Day 2 *Complete "Scale: One to One" and "Room 72" worksheets.*

Using an overhead transparency of a quarter inch grid introduce the concept of one unit equals one foot and 1/2 unit equals 6 inches. Have the students identify the measurements of various line segments and the length and width of assorted figures on your transparency. Alternate methods of presenting this lesson are using an overhead transparency of "Scale: One to One" worksheets, grid chalkboard or various visual displays. After the student has completed the "Scale: One to One" worksheets they can use the acquired skill to do the "Room 72" worksheets.

Day 3 *Complete "Scale: Two to One" and "Living Room" worksheets.*

Using an overhead transparency of a quarter inch grid introduce the concept of two units equals one foot, one unit equals 6 inches and 1/2 unit equals 3 inches. Have the students identify the measurements of various line segments and the length and width of assorted figures on your transparency. After the student has completed the "Scale: Two to One" worksheets, the student can use the acquired skill to do the "Living Room" worksheets.

Day 4 *Complete "Scale: Four to One" and "Valley" worksheets.*

Using an overhead transparency of a quarter inch grid introduce the concept of four units equals one foot, two units equals 6 inches, one unit equals 3 inches, three units equals 9 inches and 1/2 unit equals 1 1/2 inches. Review measuring the distance between two points to the nearest quarter inch. Show the students how to convert inches to miles using the scale one inch equals four miles. After the student has completed the "Scale: Four to One" worksheets they are now ready to do the "Valley" worksheet. Instead of using the "Valley" worksheet, teachers may want to make up a map of their local area using a scale of one inch equals four miles.

MATERIALS: *Ditto copies of:*

"Scale: One to One" worksheets
"Room 72" worksheets plus scale drawing
"Scale: Two to One" worksheets
"Living Room" worksheets plus scale drawing
"Scale: Four to One" worksheets
"Valley" worksheet plus map

Overhead transparencies of:

Quarter inch grid

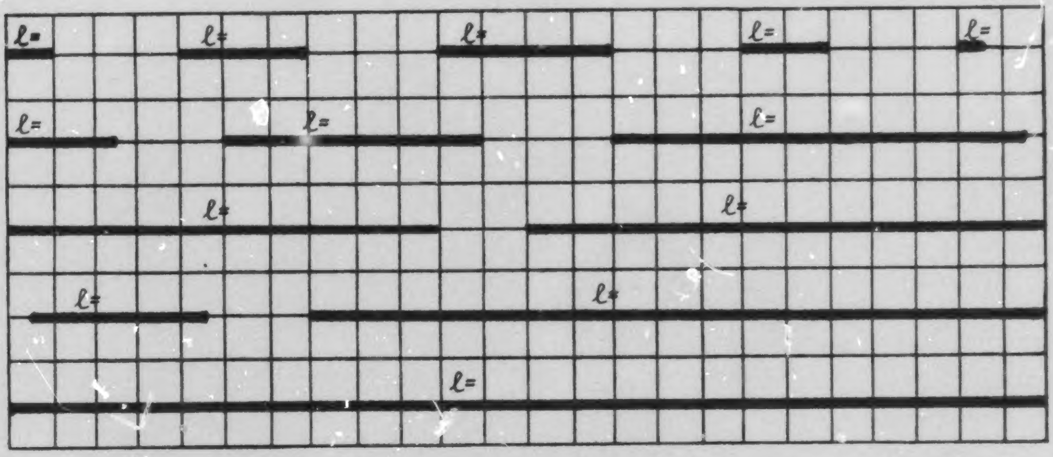
Class set of rulers

SCALE: ONE TO ONE

Name______________________________

Date______________Period___________

Indicate the length of the line segments below. Record the length above each segment. Remember: 1 unit = 1 foot. 1/2 unit = ________in.



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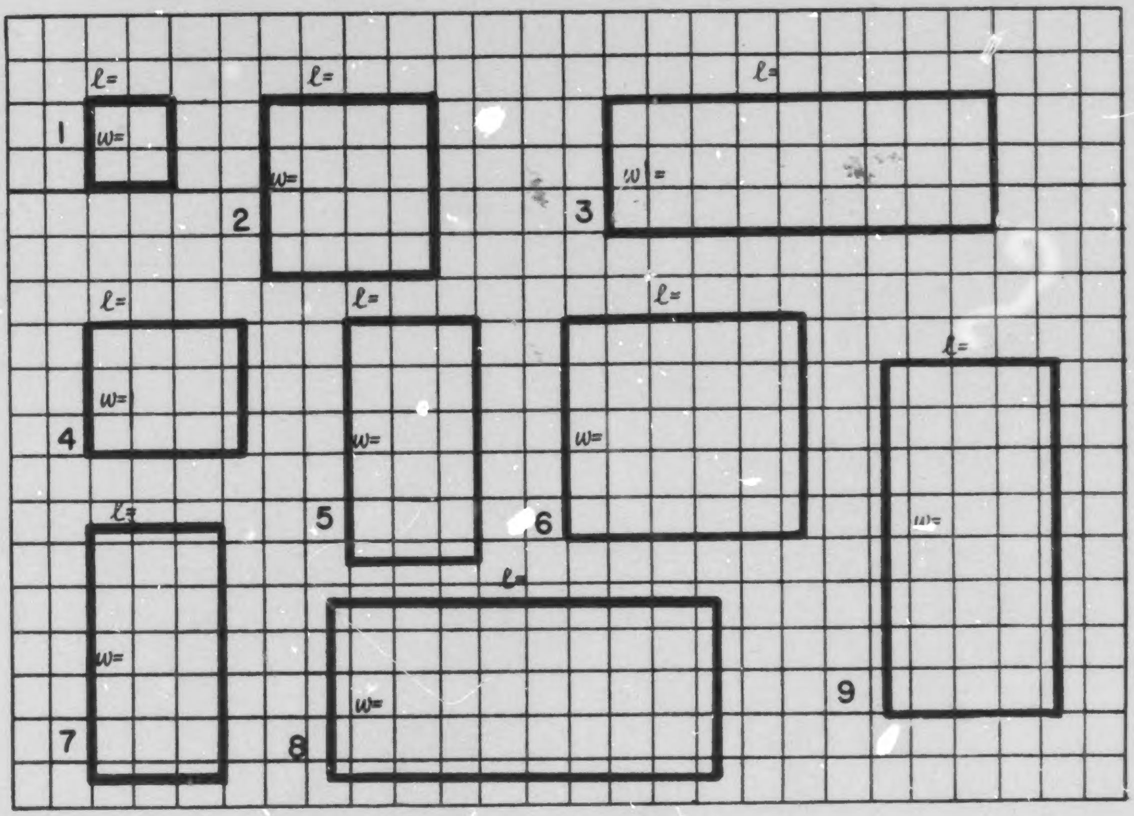

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Draw the following figures. Remember: 1 unit = 1 foot.

10. ℓ = 4', w = 3'

11. ℓ = 2', w = 3'

12. ℓ = 3 1/2', w = 3 1/2'

13. ℓ = 6', w = 1 1/2'

14. ℓ = 2 1/2', w = 4'

15. ℓ = 7 1/2', w = 7 1/2'

ONE TO ONE

ROOM 72

Name______________________________

Date________________Period________

Use the drawing to answer the following questions. Remember: one unit equals one foot.

1. How wide are the doors?

   A 3 inches B 6 feet C 3 feet D 1 1/2 feet

2. What is the measure of the longest side of book shelf #1?

   A 1 yard B 2 feet C 36 inches D 4 feet

3. What is the measure of the shortest side of book shelf #2?

   A 2 yards B 2 feet C 6 feet D 7 feet

4. What is the measure of the longest side of the heater?

   A 1 yard B 3 inches C 2 feet D 1 1/2 feet

5. What is the measure of the longest side of table #4?

   A 2 1/2 feet B 5 feet C 2 feet D 24 inches

6. Each window is _________ yard(s) wide.

   A one B three C two D None of these

7. Each window is separated by _________ of wall.

   A 3 feet B 12 inches C 1 yard D 1 inch

8. How much longer is the students desk than it is wide?

   A 1/2 foot B 2 1/2 feet C 2 feet D 1/2 inch

9. What is the measure of a row of six students desks?

   A 12 feet B 2 1/2 feet C 15 feet D 3 yards

10. What is the perimeter of table #4?

    A 10 sq. feet B 12 feet C 14 feet D 14 sq. feet

11. What is the diameter of the trash can?

    A 1 foot B 8 inches C 1/2 foot D 6 inches

12. What is the area of the top of book shelf #2?

    A 16 sq. feet B 20 feet C 20 sq. feet D 16 feet

13. How long is the side of the room with the windows?

    A 27 feet B 30 feet C 10 yards D 32 feet

ROOM 72

14. How long is the room from the windows to the doors?

A 27 feet B 25 feet C 8 yards D 10 yards

15. What is the difference in the length and the width of the room?

A 6 feet B 5 feet C 2 yards D 4 feet

16. What is the measure of the longest side of the teachers desk?

A 3 feet 8 inches B 3 1/2 feet C 2 feet D 3 1/2 inches

17. What is the measure of the shortest side of table #8?

A 5 feet B 12 inches C 18 inches D 1 1/2 yards

18. What is the perimeter of the entire room?

A 59 feet B 27 feet C 864 feet D 118 feet

19. What is the area of the floor?

A 864 sq. feet B 59 sq. feet C 118 sq. feet D 236 sq. feet

20. What is the difference in the measures of the shortest sides of the teachers desk and table #8?

A 2 1/2 feet B 1 1/2 feet C 1 foot D 18 inches

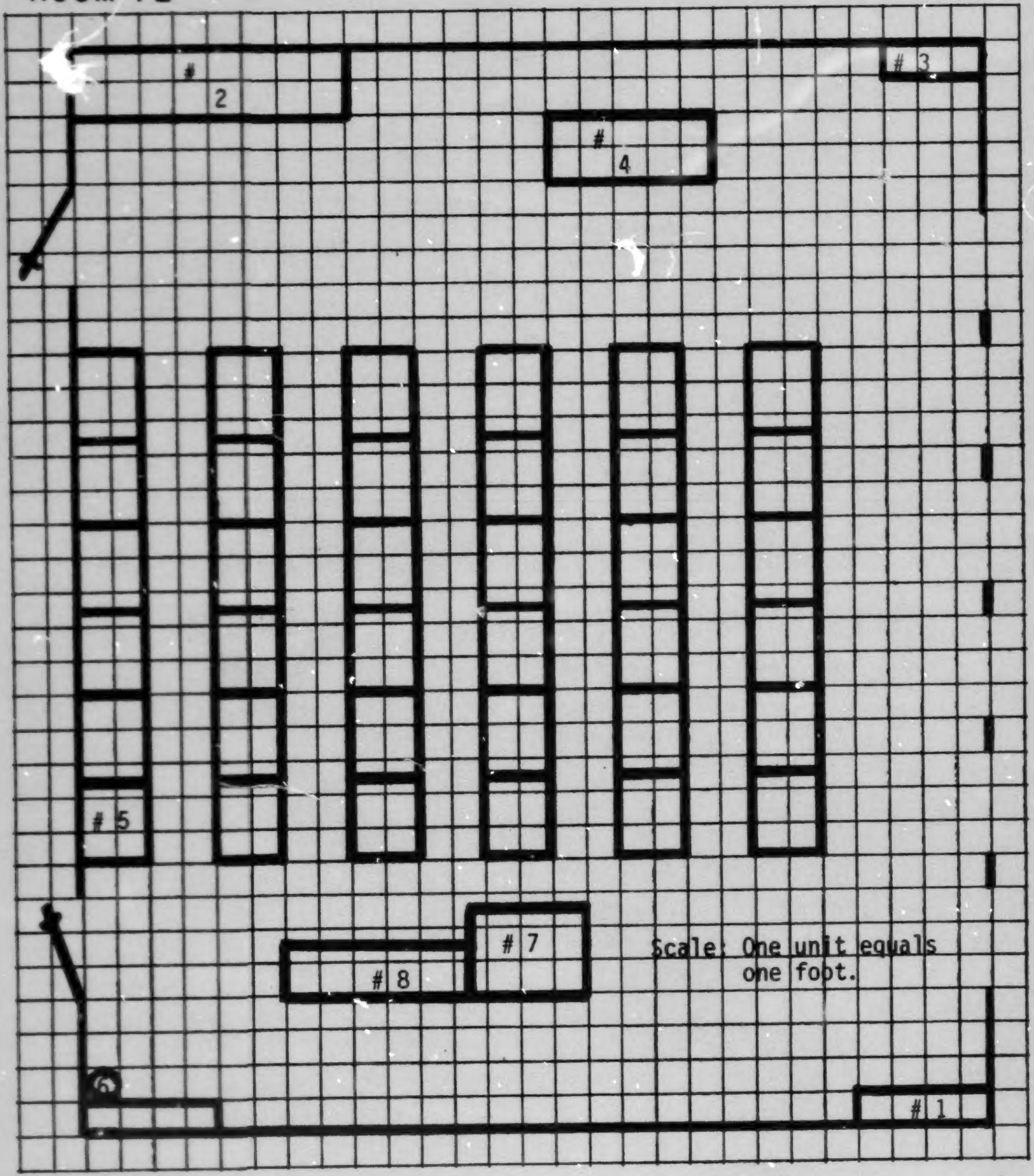
21. How many students desks are there?

A 6 B 1 C 36 D 20

22. How wide is the aisle between the students desks?

A 12 inches B 24 inches C 18 inches D 20 inches

ROOM 72



Scale: One unit equals one foot.

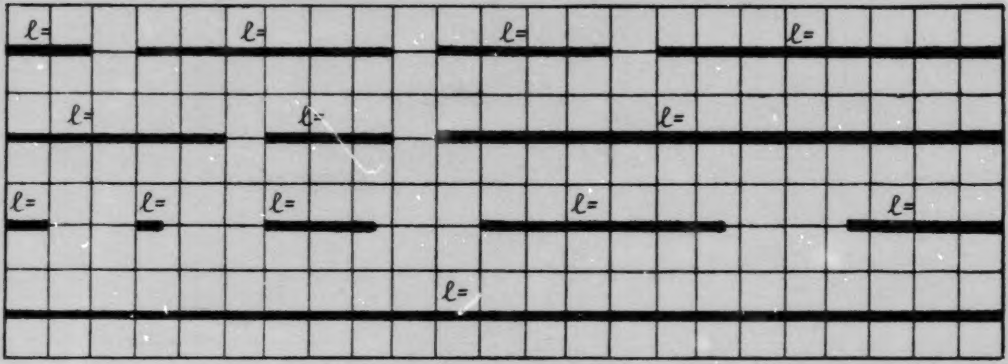
1. Book Shelf
2. Book Shelf
3. Heater
4. Table
5. Student Desk
6. Trash Can
7. Teachers Desk
8. Table

SCALE: TWO TO ONE

Name________________________

Date____________Period________

Indicate **the length** of the line segments below. Record **the length** above each segment. Remember: two units = 1 foot. one unit = _______ in. 1/2 unit = _______ in.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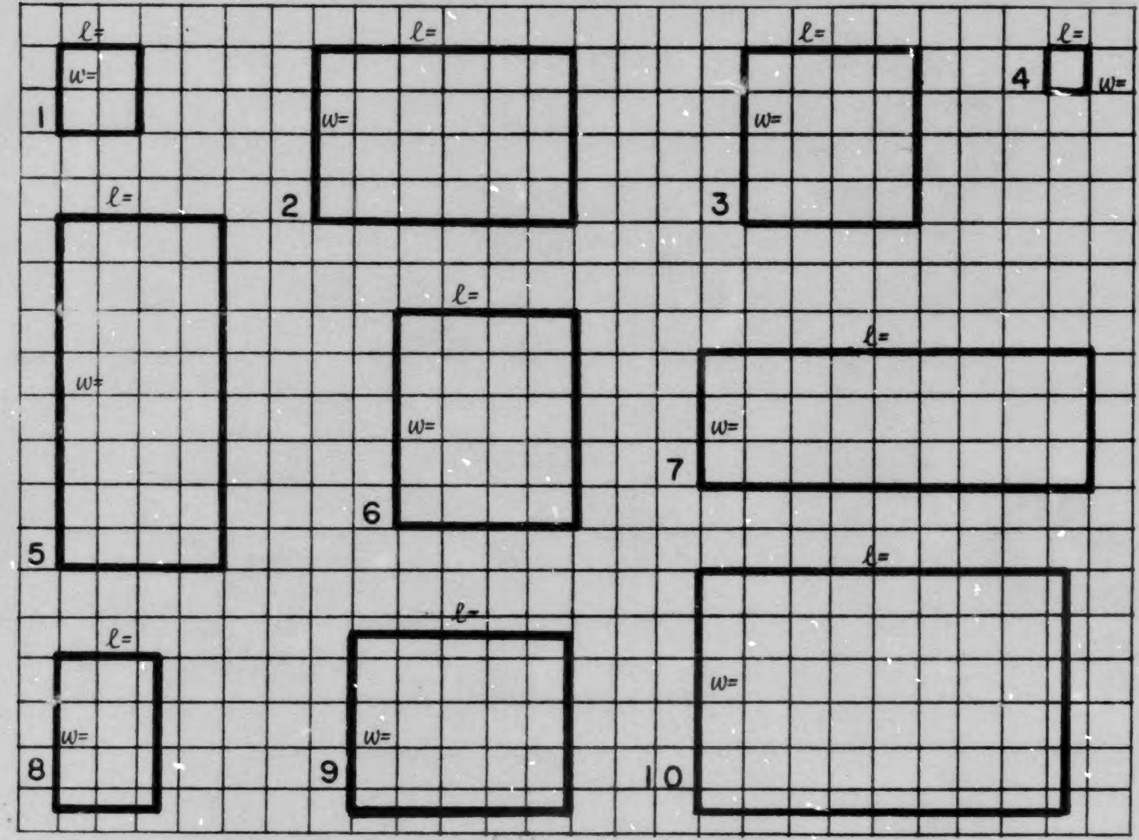
Indicate the length (ℓ) and width (w) of each figure below.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Draw the following figures. Remember: two units = 1 foot.

11. ℓ = 4', w = 3'

12. ℓ = 2', w = 5'

13. ℓ = 6 1/2', w = 1 1/2'

14. ℓ = 2'3", w = 1'9"

15. ℓ = 7'9", w = 8'3"

TWO TO ONE

LIVING ROOM

Name______________________________

Date_______________Period__________

Use the drawing to answer the following questions. Remember: Two units equal one foot.

1. How wide is the door?
   A 6 feet B 3 feet C 2 yards D 5 1/2 feet
2. How wide is each window?
   A 3 feet B 18 feet C 6 feet D 3 yards
3. How long is table #1?
   A 4 feet B 2 yards C 2 feet D 12 inches
4. How much longer is table #2 than it is wide?
   A 5 feet B 2 1/2 feet C 1 1/2 feet D 1 yard
5. How far away from the wall is table #1?
   A 6 inches B 1 foot C 1 yard D 12 inches
6. What is the measure of the longest side of the sofa (#3)?
   A 12 feet B 4 yards C 6 yards D 6 feet
7. How far apart are the sofa (#3) and table #2?
   A 2 feet B 24 inches C 12 inches D 10 inches
8. What is the measure of the shortest side of the chair (#4)?
   A 3 feet B 5 feet C 6 feet D 2 1/2 feet
9. How much longer is the chair (#4) than it is wide?
   A 1 foot B 6 inches C 12 inches D 18 inches
10. How long is the side of the room with the door?
    A 34 feet B 24 feet C 17 feet D 12 feet
11. How long is the side of the room with the chair (#4)?
    A 12 feet B 24 feet C 17 feet D 12 inches
12. What is the measure of the shortest side of the bar (#5)?
    A 4 1/2 feet B 30 inches C 10 feet D 27 inches
13. What is the difference in length and width of the t.v. (#6)?
    A 3 1/2 inches B 20 inches C 21 inches D 42 inches

LIVING ROOM

14. How far away from the bar (#5) are the stools (#7)?

A 6 inches B 3 inches C 12 inches D 1 foot

15. What is the diameter of a bar stool?

A 1 foot B 3 feet C 24 inches D 1 yard

16. What is the perimeter of the entire room?

A 29 feet B 58 sq. feet C 116 feet D 58 feet

17. If you wanted to put wall to wall carpeting in this room, how many square feet of carpeting would you need?

A 204 B 816 C 58 D 116

18. What is the perimeter of table #1?

A 16 feet B 4 sq. feet C 8 feet D 4 feet

19. What is the area of table #1?

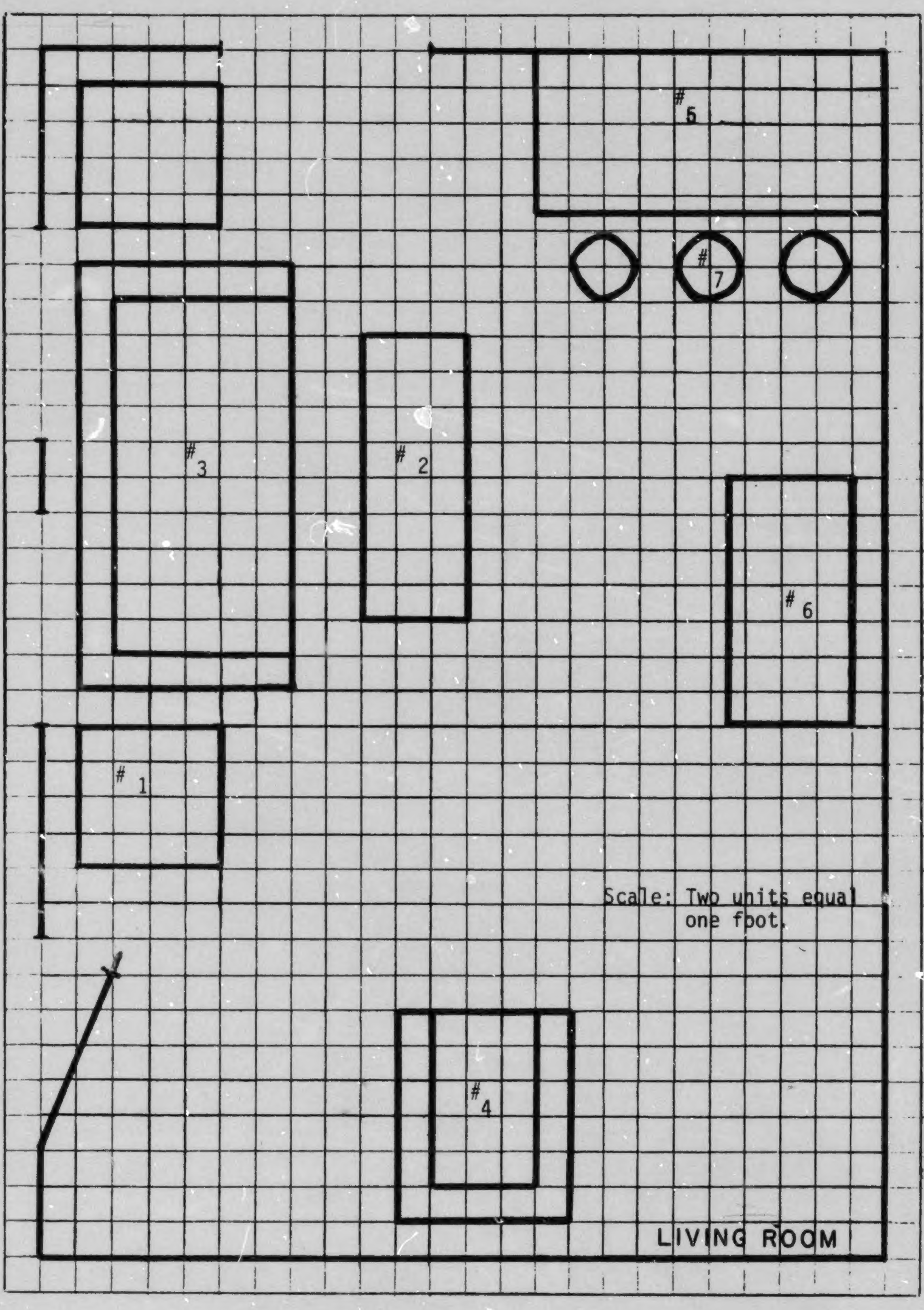
A 16 sq. feet B 4 sq. feet C 8 sq. feet D 16 feet

20. What is the perimeter of table #2?

A 22 feet B 24 feet C 24 sq. feet D 11 feet

21. What is the area of table #2?

A 6 sq. feet B 24 sq. feet C 6 feet D 22 sq. feet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#4
LIVING ROOM

Scale: Two units equal one foot.

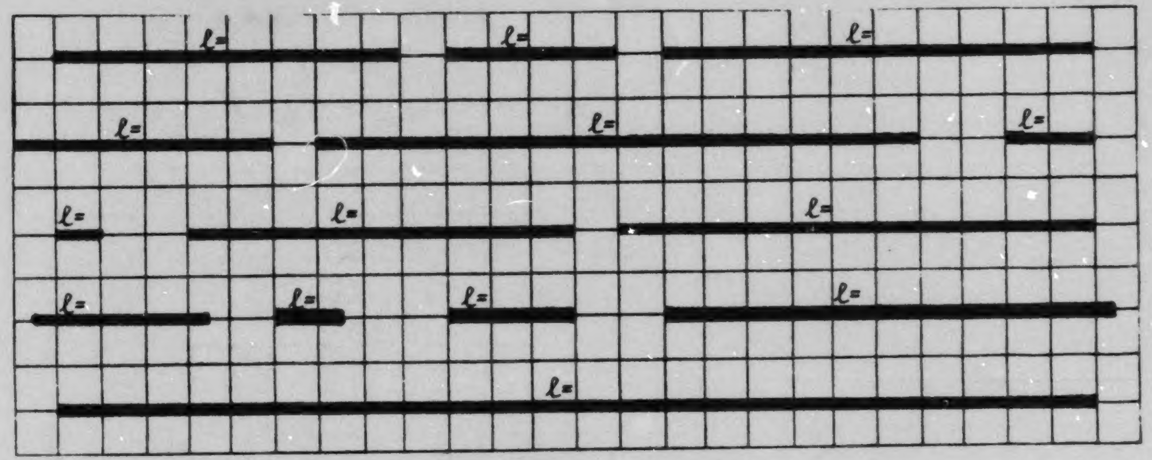
F35

SCALE: FOUR TO ONE

Name________________________________

Date________________Period__________

Indicate the length of the line segments below. Record the length above each segment. Remember: four units = 1 foot. two units = ________in. one unit = ________in. three units = ________in. 1/2 unit = _______in.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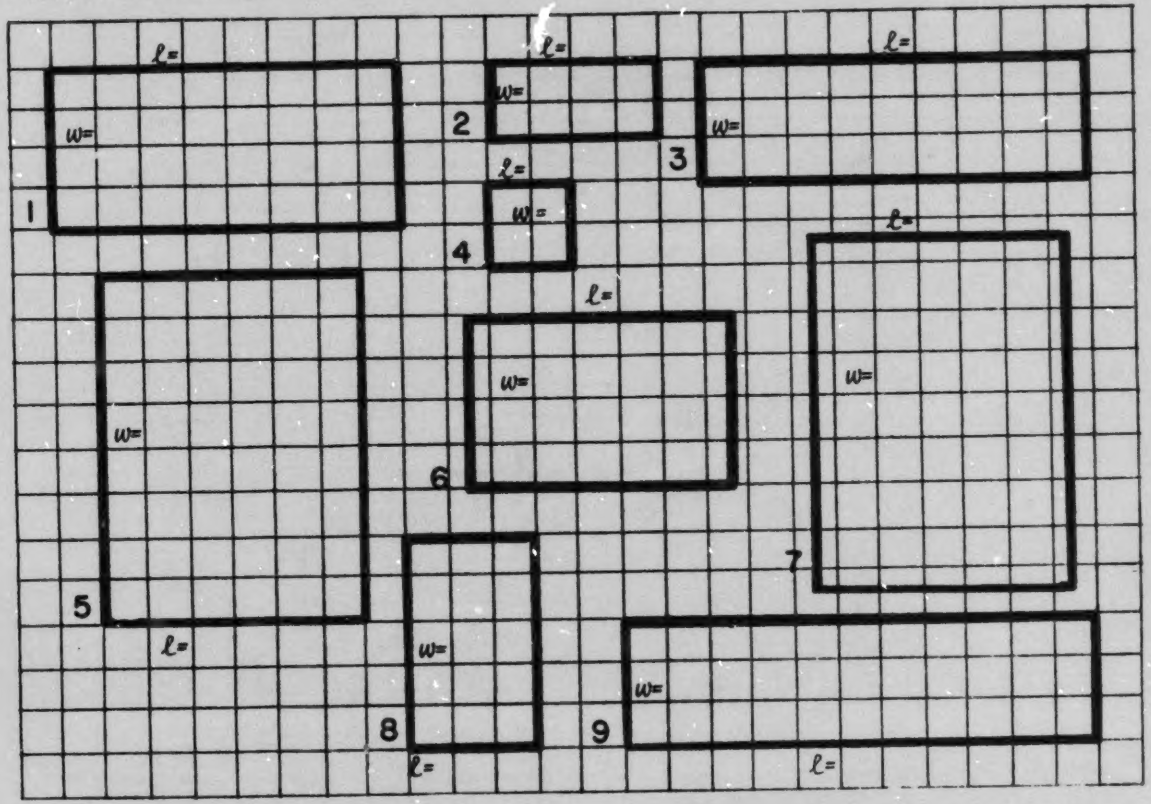
Indicate the length (ℓ) and width (w) of each figure below.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Draw the following figures. Remember: four units = 1 foot.

10. $\ell = 3'$, $w = 1'$

11. $\ell = 1\ 1/2'$, $w = 2'$

12. $\ell = 4'$, $w = 2\ 1/2'$

13. $\ell = 1'3''$, $w = 9''$

14. $\ell = 2'9''$, $w = 3''$

FOUR TO ONE

SAN FERNANDO VALLEY

Name____________________________________

Date________________ Period__________

16.	Arleta	9.	Granada Hills	28.	Pasadena	26.	Sunland
25.	Burbank	22.	Lakeview Terrace	10.	Porter Ranch	24.	Sun Valley
1.	Calabasas	15.	Mission Hills	7.	Reseda	19.	Sylmar
3.	Canoga Park	23.	North Hollywood	18.	San Fernando	6.	Tarzana
4.	Chatsworth	8.	Northridge	13.	Sepulveda	21.	Universal City
5.	Encino	17.	Pacoima	11.	Sherman Oaks	12.	Van Nuys
27.	Glendale	14.	Panorama City	20.	Studio City	2.	Woodland Hills

1. What is the definition of a valley?____

____

2. How did our valley get its name?____

____

3. Name the four mountain ranges that surround the valley.

________________________________ ________________________________

________________________________ ________________________________

4. Which city is farthest north on the map?______________________________

5. Which city is farthest south on the map?______________________________

6. Which city is farthest east on the map?_______________________________

7. Which city is farthest west on the map?_______________________________

8. How far is it from:

Pacoima to Arleta?____________

Pacoima to San Fernando?_______

Sepulveda to Mission Hills?____

Glendale to Pasadena?__________

Sun Valley to Sunland?________

Van Nuys to North Hollywood?___

Calabasas to Pasadena?_________

Sepulveda to Panorama City?__________

Woodland Hills to Canoga Park?_______

San Fernando to Sylmar?______________

Lakeview Terrace to Sun Valley?______

Tarzana to Van Nuys?_________________

Pacoima to Sunland?__________________

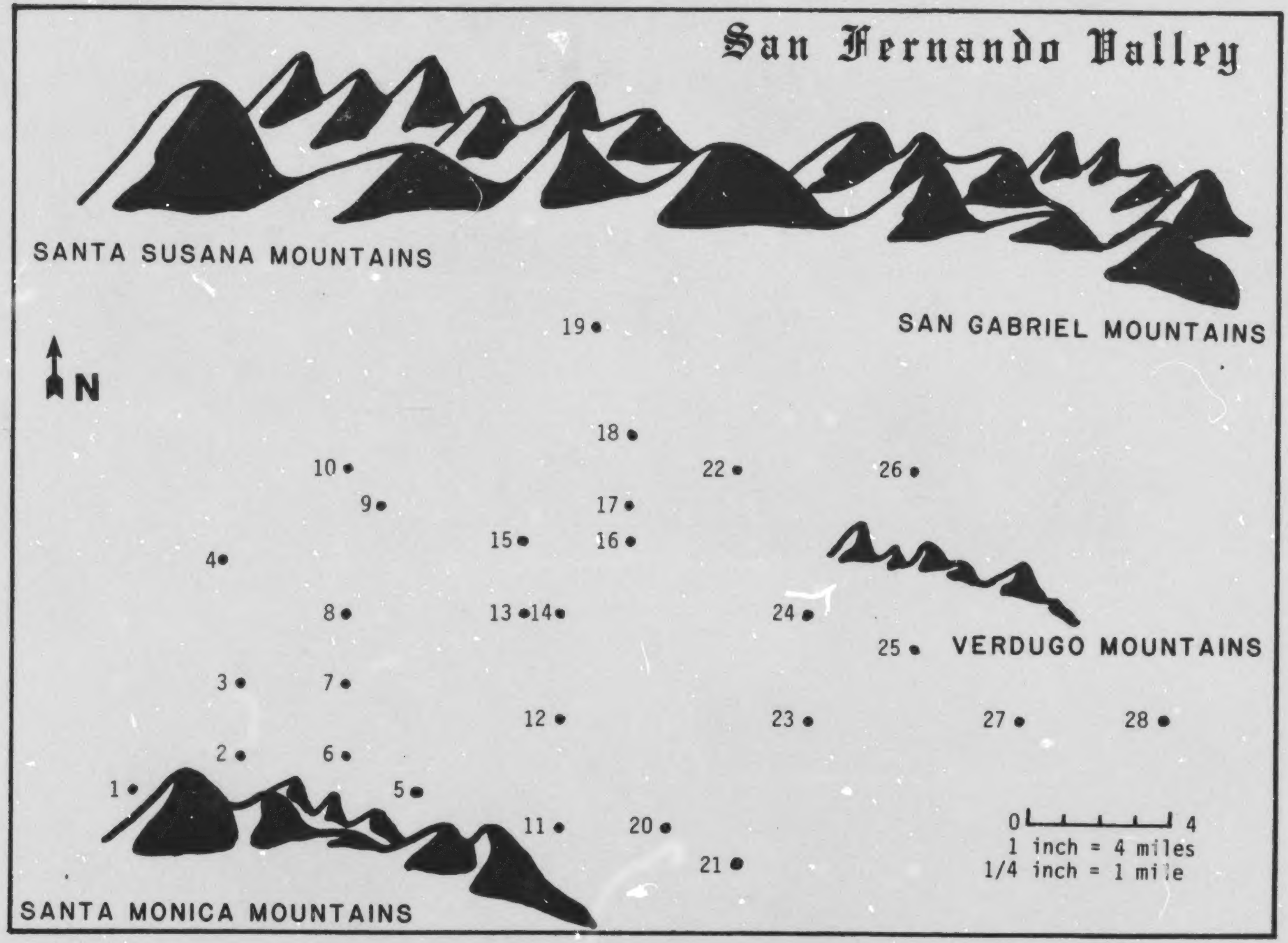
Sylmar to Studio City________________

9. Which city is directly north of Pacoima?______________________________

10. Which city is directly south of Pacoima?______________________________

11. What is the first city west of Pacoima?_______________________________

12. What is the first city east of Pacoima?_______________________________


San Fernando Valley
SANTA SUSANA MOUNTAINS
SAN GABRIEL MOUNTAINS
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VERDUGO MOUNTAINS
SANTA MONICA MOUNTAINS
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1 inch = 4 miles
1/4 inch = 1 mile

F39

FACELIFT - FOURTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Solve a proportion using equivalent fractions.
Solve a proportion using cross multiplication and division.
Use proportions to convert inches to miles and miles to inches.
Enlarge and reduce drawings using grids.

Activities:

Day 1 *Complete "Proportions 1" and "Proportions 2" worksheets.*

Demonstrate solving simple proportion problems using equivalent fractions. For more difficult problems demonstrate the use of cross multiplication and division. The "Proportions 1" worksheet has problems which can be solved using either method and space has been provided to show the work. The "Proportions 2" worksheet provides practical use of proportions. The students will be converting from inches to miles and miles to inches.

Day 2 *Open Day*

Day 3 *Complete "Proportional Drawing 1" and "Proportional Drawing 2" worksheets.*

Using an overhead transparency of "Proportional Drawing 1" worksheet help the students plot the points of the rectangular solids. After the rectangular solids have been drawn, illustrate how to plot points of the arc. Using the acquired skills from the first worksheet have the students complete the "Proportional Drawing 2" worksheet.

Day 4 *Complete "Proportional Drawing 3" worksheet.*

Using an overhead transparency of "Proportional Drawing 3" worksheet show the students how to draw in detail a small portion of the outline. Have the students complete the drawing doing one grid square at a time. A miscellaneous bonus can be awarded for the best drawings.

Materials: *Ditto Copies of:*

"Proportions 1" worksheet
"Proportions 2" worksheet
"Proportional Drawing 1" worksheet
"Proportional Drawing 2" worksheet
"Proportional Drawing 3" worksheet

Overhead transparencies of:

"Proportional Drawing 1" worksheet
"Proportional Drawing 3" worksheet

Class set of rulers

PROPORTIONS 1

Name________________________________

Date________________Period_______

Solve each of the following proportions.

1. $\frac{2}{3} = \frac{8}{A}$

$A =$

2. $\frac{21}{24} = \frac{7}{B}$

$B =$

3. $\frac{9}{10} = \frac{C}{70}$

$C =$

4. $\frac{4}{6} = \frac{D}{3}$

$D =$

5. $\frac{4}{E} = \frac{20}{25}$

$E =$

6. $\frac{27}{F} = \frac{9}{11}$

$F =$

7. $\frac{G}{7} = \frac{42}{49}$

$G =$

8. $\frac{H}{24} = \frac{2}{3}$

$H =$

9. $\frac{J}{13} = \frac{60}{130}$

$J =$

Solve each of the following proportions and show the work.

10. $\frac{6}{8} = \frac{9}{K}$

$6K = 72$
$K =$

11. $\frac{2}{4} = \frac{5}{L}$

$=$
$=$

12. $\frac{3}{9} = \frac{M}{6}$

$18 = 9M$
$= M$

13. $\frac{2}{6} = \frac{N}{15}$

$=$
$=$

14. $\frac{4}{P} = \frac{10}{15}$

$=$
$=$

15. $\frac{3}{Q} = \frac{7}{14}$

$=$
$=$

16. $\frac{R}{10} = \frac{12}{15}$

$=$
$=$

17. $\frac{S}{9} = \frac{5}{15}$

$=$
$=$

*18. $\frac{3}{4} = \frac{4}{T}$

$=$
$=$

PROPORTIONS 2

Name______________________________

Date________________Period________

Using the ratio of 1 inch (in.) to 4 miles (mi), compute the distance by solving the following proportions.

1. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{8 \text{ IN.}}{N \text{ MI}}$

   $N =$

2. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{13 \text{ IN.}}{N \text{ MI}}$

   $N =$

3. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{3\ 1/2 \text{ IN.}}{N \text{ MI}}$

   $N =$

4. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{11\ 1/2 \text{ IN.}}{N \text{ MI}}$

   $N =$

5. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{4\ 1/4 \text{ IN.}}{N \text{ MI}}$

   $N =$

6. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{7\ 3/4 \text{ IN.}}{N \text{ MI}}$

   $N =$

7. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{10 \text{ MI}}$

   $10 = 4N$

   $= N$

8. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{22 \text{ MI}}$

   $=$

   $=$

9. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{17 \text{ MI}}$

   $=$

   $=$

10. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{55 \text{ MI}}$

    $=$

    $=$

11. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{81 \text{ MI}}$

    $=$

    $=$

12. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{111 \text{ MI}}$

    $=$

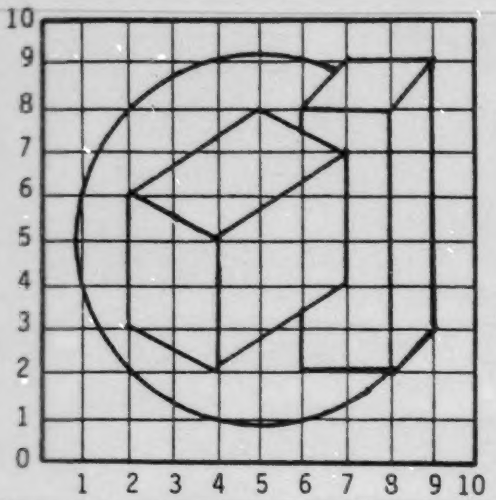
    $=$

PROPORTIONAL DRAWING 1

Name________________________________

Date________________Period__________

Make an enlargement of the drawing using the grid below. Start by placing dots of all the corners of the rectangular solids on the grid below.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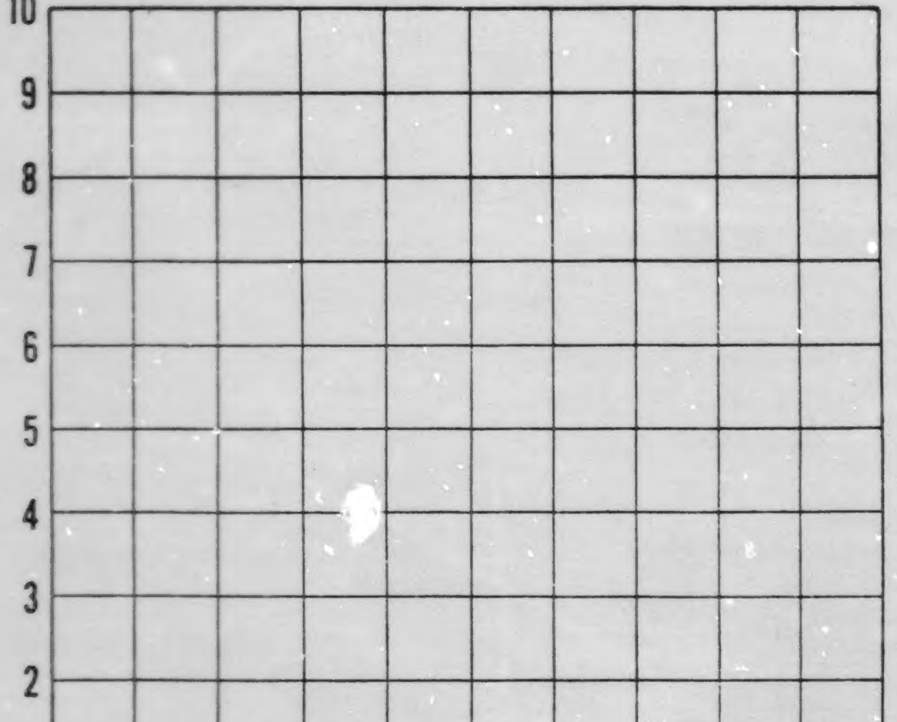
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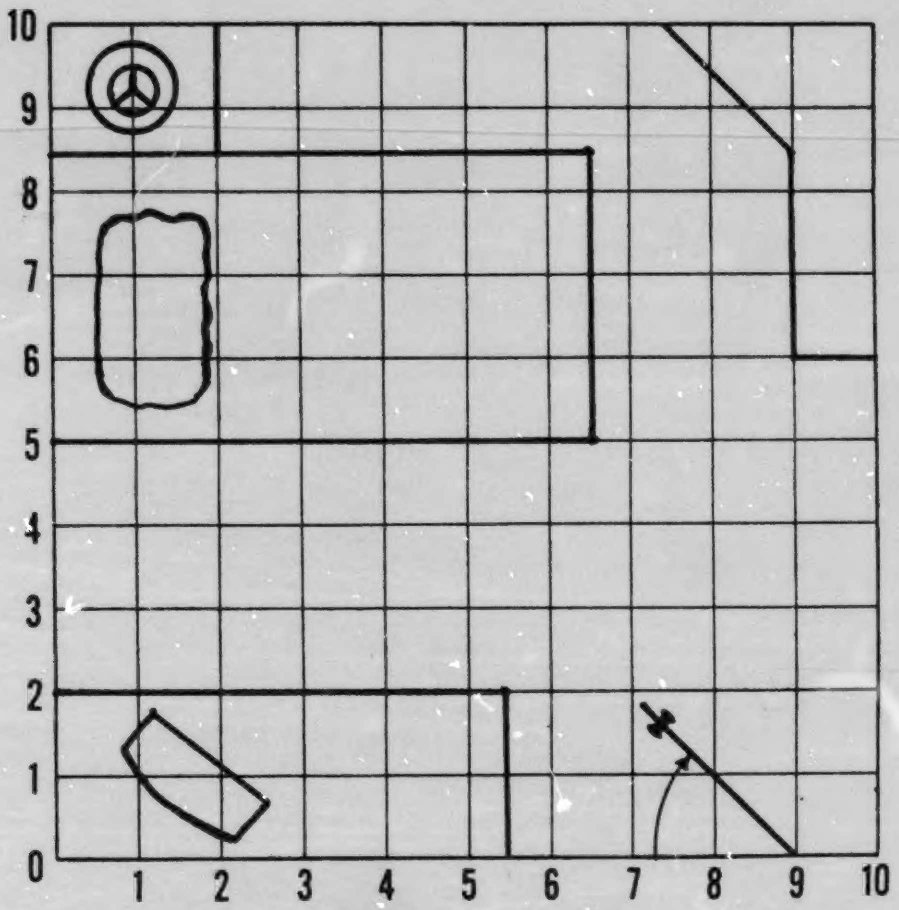
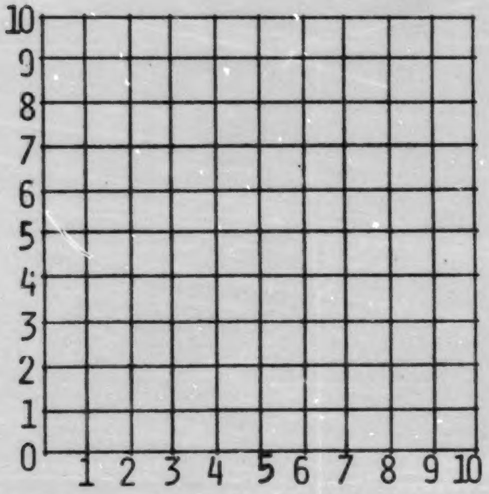
9
10
1
2
3
4
5
6
7
8
9
10

PROPORTIONAL DRAWING 2

Name________________________________

Date______________Period____________


10
9
8
7
6
5
4
3
2
1
0
1
2
3
4
5
6
7
8
9
10


10
9
8
7
6
5
4
3
2
1
0
1 2 3 4 5 6 7 8 9 10

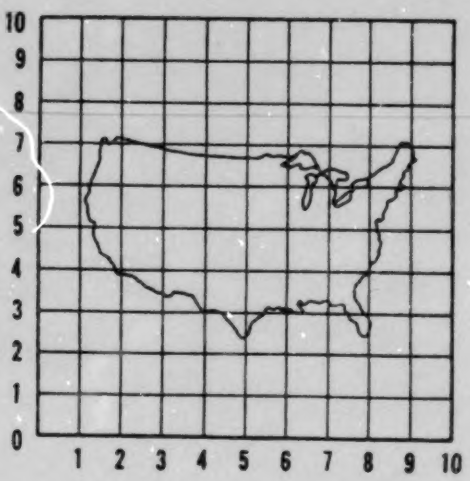
Make a reduction of the drawing. Start by placing dots for all of the corners on the grid at the left.

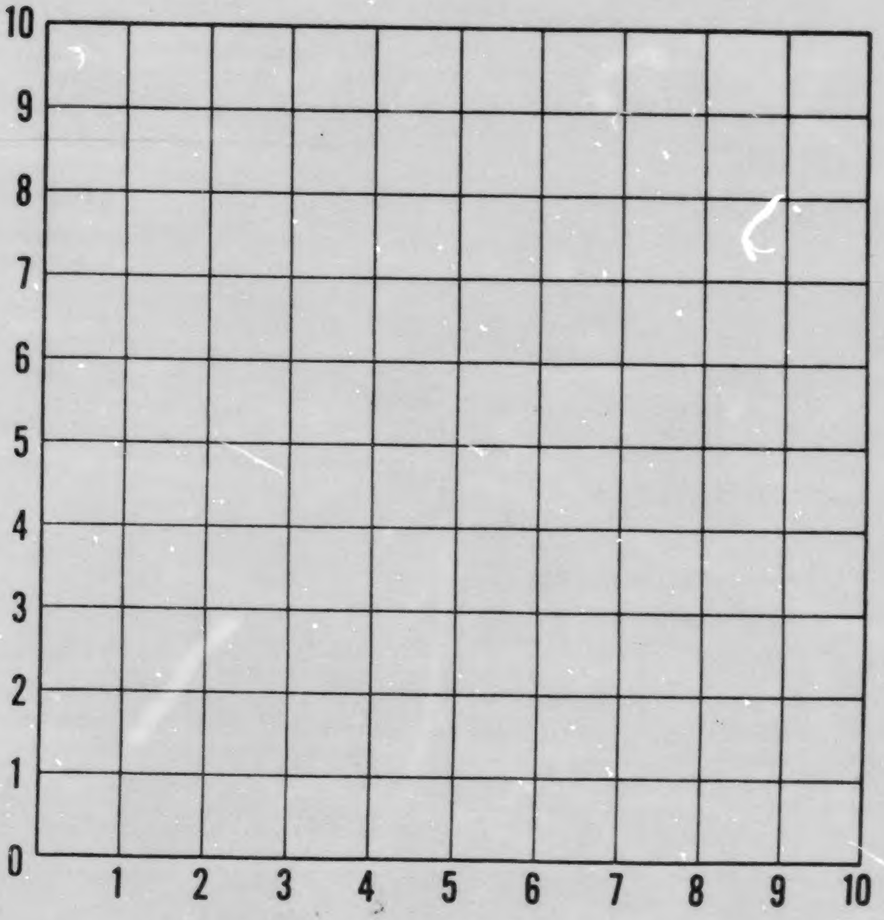
PROPORTIONAL DRAWING 3

Name________________________________

Date_________________Period__________

Make an enlargement of the U.S. map using the grid below.


10
9
8
7
6
5
4
3
2
1
0
1
2
3
4
5
6
7
8
9
10


10
9
8
7
6
5
4
3
2
1
0
1
2
3
4
5
6
7
8
9
10

FACELIFT - FIFTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Use the concepts of ratio and proportion to make a scale drawing of the floor plan of a bedroom.
Use ratio and proportion to draw furniture to scale.
Position and select pieces of furniture on a scale drawing of a bedroom floor plan.

Activities:

Day 1 *Draw to scale the floor plan of a bedroom.*

Using an overhead transparency of 1/4 inch graph paper draw a typical size bedroom, 10 feet by 12 feet, using scales suggested by the students. One segment for one foot is usually first, which gives a ridiculously small drawing. The students may experiment on one side of the graph paper and put their final drawing on the other side. The object is to arrive at the largest scale which will still fit on an 8 1/2 by 11 inch graph paper (30 by 36 using 1 segment = 4 inches). The student's final drawing should include one 30" door, opening inward, window(s) and a closet.

Day 2 *Complete "Furniture Scaling" worksheets.*

Review solving proportions by assisting the students with the first few problems of the "Furniture Scaling" worksheets. Point out to the students that some problems require solving two proportions. After the students have completed the worksheets, have them draw and label all ten pieces of furniture on graph paper.

Day 3 *Cut patterns for furniture and arrange bedroom floor plan.*

The students should first cut out all ten pieces of furniture from the graph paper. Using their final drawing of the bedroom floor plan, the students should arrange the furniture in a desired location. Care should be taken to allow adequate space for walking about the room, for opening the dresser and desk drawers, and for entering the closet. Using assorted colors of construction paper the students should trace and cut out only their selected furniture patterns. Students may individualize their room by adding throw rugs, pillows, lamps, books, etc.

Day 4 *Complete bedroom floor plan by gluing patterns in place.*

The students should glue the selected furniture on their final drawing of the bedroom floor plan. A display of completed bedroom floor plans makes an excellent classroom decoration.

Material: *Ditto copies of:*

"Furniture Scaling" worksheets

Overhead transparency of:

1/4 inch graph paper

Class set of scissors
Glue
Construction paper - assorted colors
1/4 inch graph paper

FURNITURE SCALING

Name ____________________

Date ____________ Period ________

Using the ratio of 1 square to 4 inches, scale down each piece of furniture below and complete the chart with your results. Show all work! Then, draw each piece of furniture on 1/4 inch graph paper.

Item	Dimensions in inches	Dimensions in squares
Night Table #1	20" by 20"	__ by __
Night Table #2	20" by 24"	
Desk	36" by 20"	
TV and Stand	24" by 20"	
Bookcase	48" by 12"	
Chair	30" by 30"	
Dresser #1	44" by 24"	
Dresser #2	56" by 24"	
Dresser [illegible]3	66" by 24"	
Twin Bed	78" by 40"	

1. Night Table #1 (20" by 20")

$$\frac{1\text{ square}}{4\text{ inches}} = \frac{x\text{ squares}}{20\text{ inches}}$$

2. Night Table #2

3. Desk

4. TV and Stand

FURNITURE SCALING

5. Bookcase

6. Chair

7. Dresser #1

8. Dresser #2

9. Dresser #3

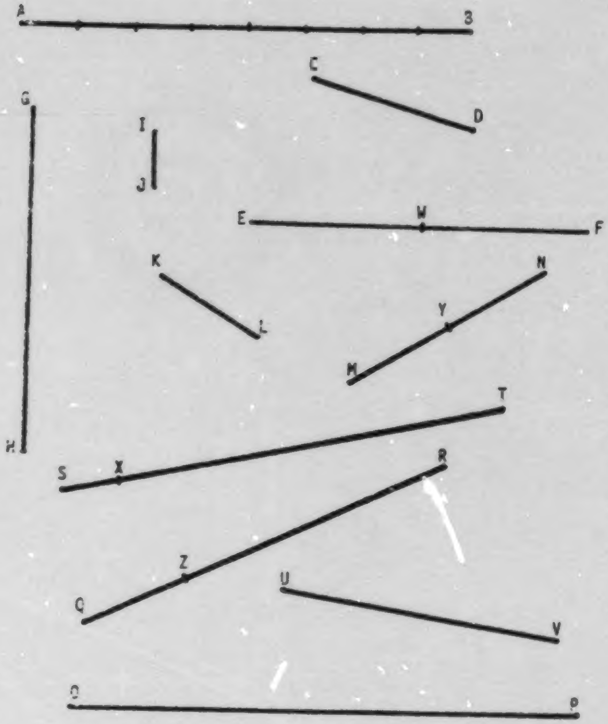
10. Twin Bed

MEASURE HALVES

Name *Key, pg 5*

Date ____________ Period _____

Measure each segment to the nearest half-inch.



A
B
C
D
G
H
I
J
E
W
F
K
L
N
Y
M
T
S
X
R
Z
Q
U
V
O
P

AB= *4* in.

CD= *1 1/2* in.

EF= *3* in.

GH= *3* in.

IJ= *1/2* in.

KL= *1* in.

MN= *2* in.

OP= *4 1/2* in.

QR= *3 1/2* in.

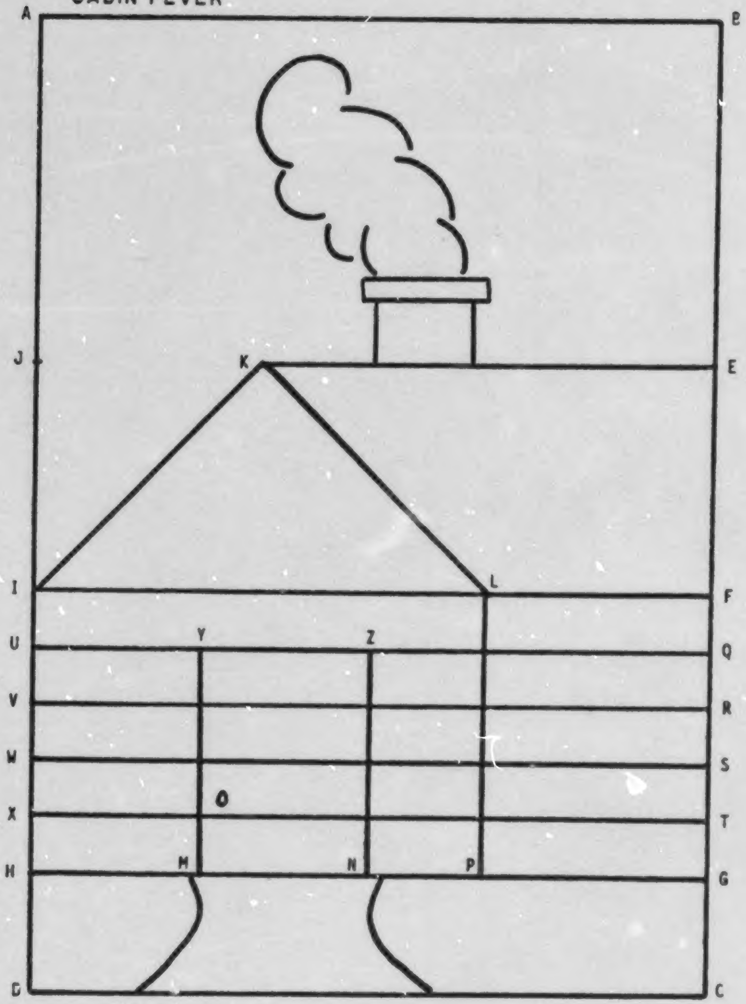
ST= *4* in.

UV= *2 1/2* in.

Draw Point W on line segment EF, 1 1/2 inches from Point E.
Draw Point X on line segment ST, 1/2 inch from Point S.
Draw Point Y on line segment MN, 1 inch from Point M.
Draw Point Z on line segment QR, 2 1/2 inches from Point R.
On line segment AB draw a point every 1/2 inch starting from Point A.

Key, pg 7

CABIN FEVER



A
B
J
K
E
I
L
F
U
Y
Z
Q
V
R
W
S
O
X
T
H
M
N
P
G
D
C

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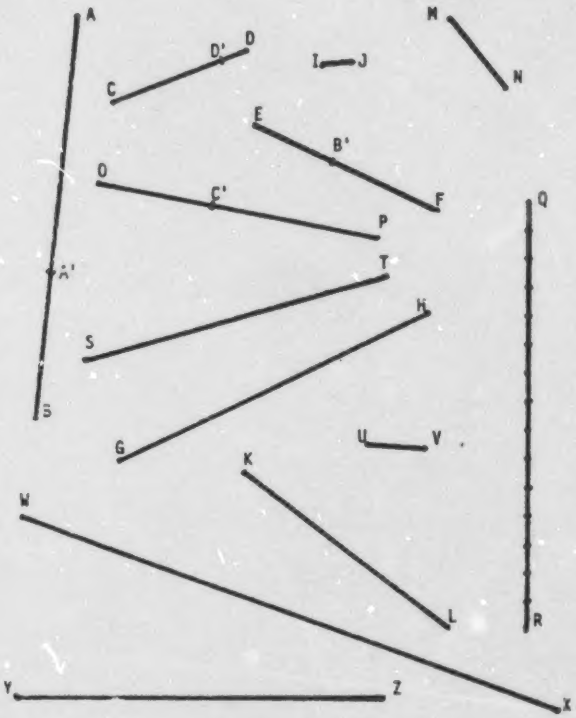
MEASURE QUARTERS

Name Key, pg 8

Date______________ Period________

Measure each segment to the nearest quarter-inch.


A
A'
B
C
D'
D
I
J
M
N
E
B'
F
O
C'
P
Q
R
T
S
H
G
U
V
K
L
W
X
Y
Z

AB=3 1/2 in.

CD=1 1/4 in.

EF=1 3/4 in.

GH=3 in.

IJ= 1/4 in.

KL=2 1/4 in.

MN= 3/4 in.

OP=2 1/2 in.

QR=3 3/4 in.

ST=2 3/4 in.

UV= 1/2 in.

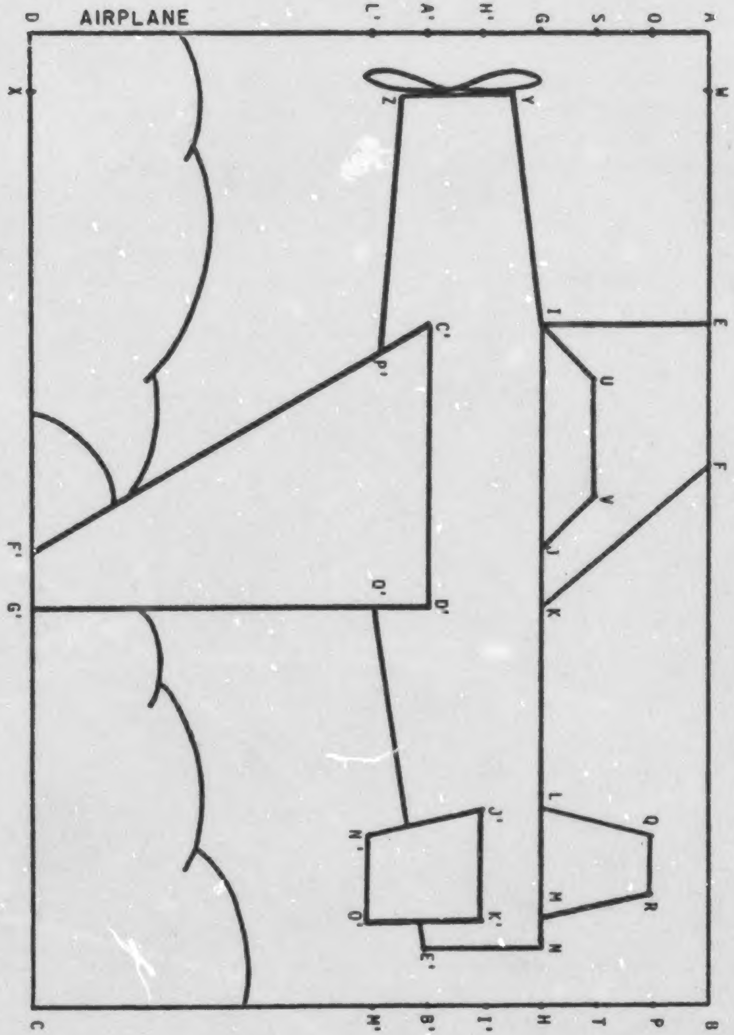
WX=5 in.

YZ=3 1/4 in.

Draw Point A' on line segment AB, 2 1/4 inches from Point A.
Draw Point B' on line segment EF, 3/4 inch from Point E.
Draw Point C' on line segment OP, 1 1/2 inches from Point P.
Draw Point D' on line segment CD, 1/4 inch from Point D.
On line segment QR draw a point every 1/4 inch starting from Point Q.

Key, pg 11

AIRPLANE


D
L'
A'
H'
G
S
O
A
X
W
Z
Y
I
E
C'
P'
U
F
V
J
F'
G'
O'
D'
K
L
J'
N'
Q
M
R
O'
K'
E'
N
C
M'
B'
I'
H
T
P
B

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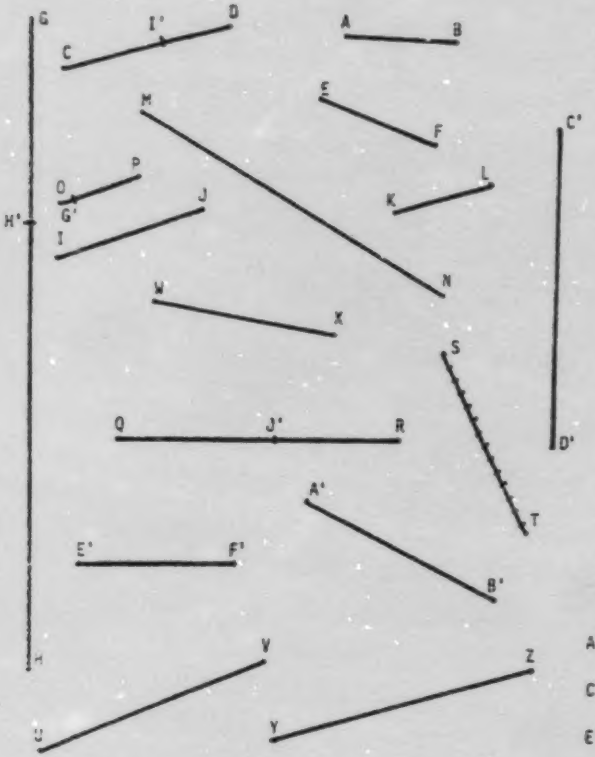
MEASURE EIGHTHS

Name Key, pg 12

Date________ Period________

Measure each segment to the nearest eighth-inch.

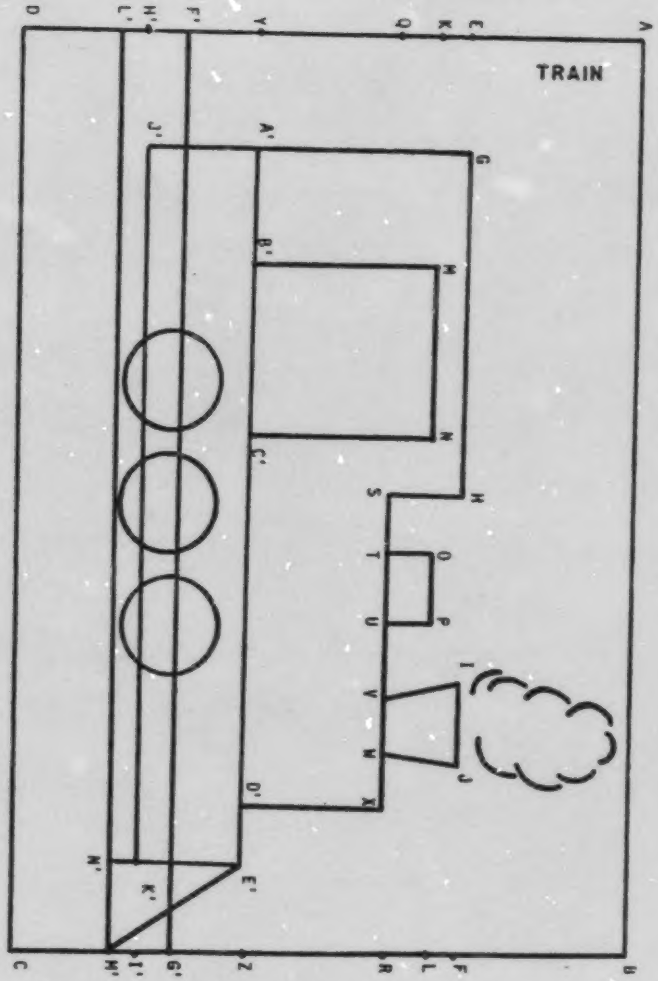

G
I'
D
C
A
B
M
E
F
C'
P
O
G'
J
L
K
H'
I
N
W
X
S
Q
J'
R
D'
A'
T
E'
F'
B'
H
V
Z
U
Y

AB= 1 in.
CD= 1 1/2 in.
EF= 1 1/8 in.
GH= 5 5/8 in.
IJ= 1 3/8 in.
KL= 7/8 in.
MN= 3 1/8 in.
OP= 3/4 in.
QR= 2 1/2 in.
ST= 1 3/4 in.
UV= 2 1/8 in.
WX= 1 5/8 in.
YZ= 2 3/8 in.
A'B'= 1 7/8 in.
C'D'= 2 3/4 in.
E'F'= 1 3/8 in.

Draw Point G' on line segment OP, 1/8 inch from Point O.
Draw Point H' on line segment GH, 3 7/8 inches from Point H.
Draw Point I' on line segment CD, 5/8 inch from Point D.
Draw Point J' on line segment QR, 1 3/8 inches from Point Q.
On line segment ST, draw a point every 1/8 inch starting from Point S.

F53

Key, pg 15


TRAIN
D
L'
H'
F'
Y
Q
K
E
A
J'
A'
G
B'
M
N
C'
S
H
T
O
U
P
I
V
W
J
D'
X
N'
K'
E'
C
M'
I'
G'
Z
R
L
F
B

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F54

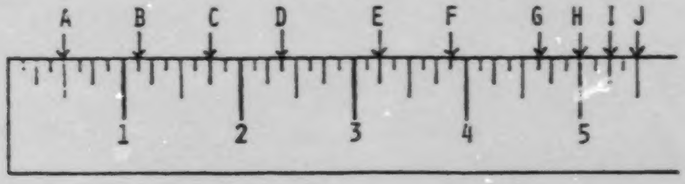
57

MEASUREMENT MEMORIES

Name *Key. pg 22*

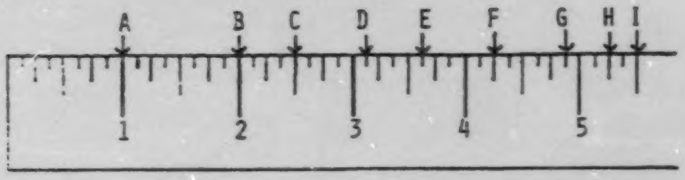
Date__________ Period______

1. What is the measurement from the left end of this ruler to each letter?



TO A? 1/2
TO B? 1 1/8
TO C? 1 3/4
TO D? 2 3/8
TO E? 3 1/4
TO F? 3 7/8
TO G? 4 5/8
TO H? 5
TO I? 5 1/4
TO J? 5 1/2

2. Most often, we measure from the left end of the ruler. But sometimes we measure between two points on the ruler. Measure how far it is between the letters on this ruler in inches.

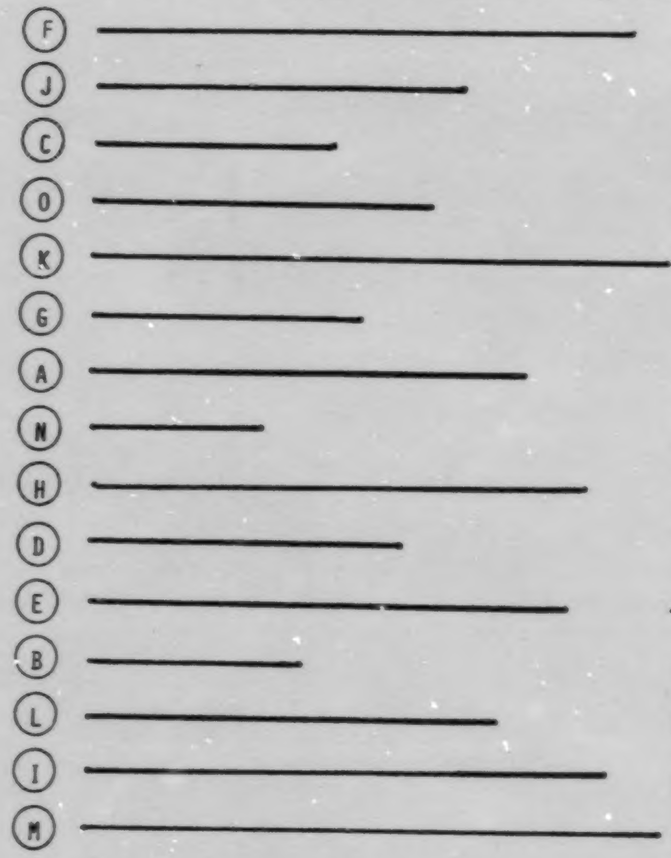


A TO B = 1
B TO C = 1/2
C TO E = 1 1/8
A TO C = 1 1/2
B TO E = 1 5/8
B TO D = 1 1/8
C TO F = 1 3/4
E TO G = 1 1/4
E TO H = 1 5/8
B TO G = 2 7/8
F TO H = 1
D TO E = 1/2
H TO I = 1/4
G TO I = 5/8
E TO G = 1 1/4

Key, pg 23

MEASUREMENT MEMORIES

Measure the line segments below to the nearest one-eighth inch. Record the length above each segment. Then find your answer in the answer column. Put the letter of the correct answer in the circle in front of each line segment.



A $3\frac{7}{8}''$
B $1\frac{7}{8}''$
C $2\frac{1}{8}''$
D $2\frac{3}{4}''$
E $4\frac{1}{4}''$
F $4\frac{3}{4}''$
G $2\frac{3}{8}''$
H $4\frac{3}{8}''$
I $4\frac{5}{8}''$
J $3\frac{1}{4}''$
K $5\frac{1}{4}''$
L $3\frac{5}{8}''$
M $5\frac{1}{8}''$
N $1\frac{1}{2}''$
O 3"

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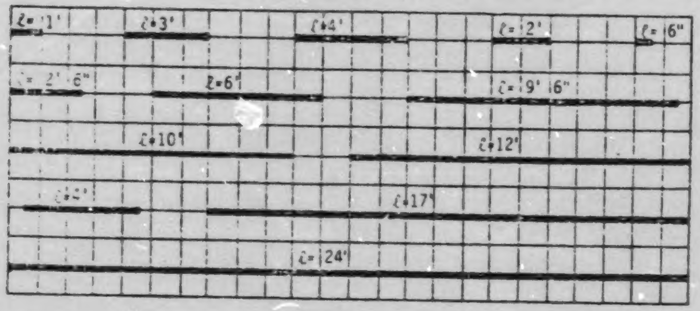
SCALE: ONE TO ONE

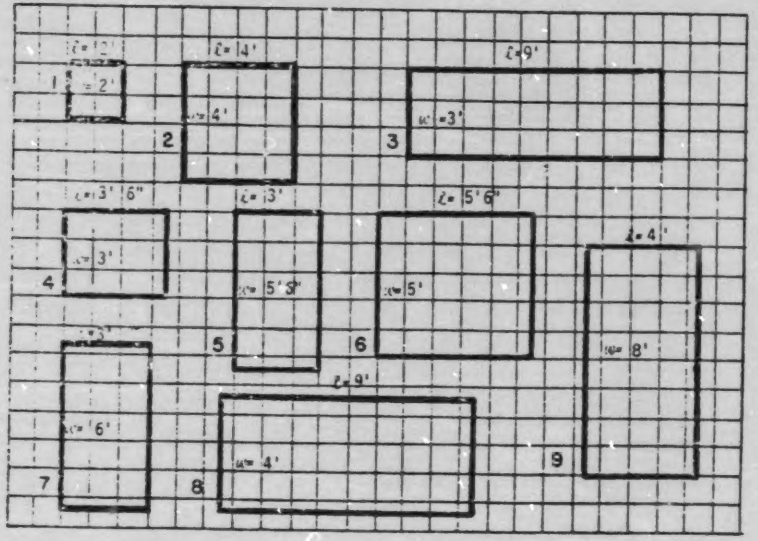
Name *Key, pg 26*

Date__________ Period__________

Indicate the length of the line segments below. Record the length above each segment. Remember: 1 unit = 1 foot. 1/2 unit = 6 in.


ℓ= 1'
ℓ=3'
ℓ=4'
ℓ= 2'
ℓ= 6"
ℓ= 2' 6"
ℓ=6'
ℓ= 9' 6"
ℓ=10'
ℓ=12'
ℓ=4'
ℓ=17'
ℓ= 24'

Indicate the length (ℓ) and width (w) of each figure below.


1
ℓ= 2'
w= 2'
2
ℓ= 4'
w= 4'
3
ℓ=9'
w =3'
4
ℓ= 3' 6"
w= 3'
5
ℓ= 3'
w= 5' 3"
6
ℓ= 5' 6"
w= 5'
7
ℓ= 3'
w= 6'
8
ℓ= 9'
w= 4'
9
ℓ= 4'
w= 8'

F55

Key, pg 28-29

ROOM 72

1. C
2. D
3. B
4. A
5. B
6. A
7. B
8. A
9. C
10. C
11. A
12. A
13. D
14. A
15 B
16. B
17. C
18. D
19. A
20. C
21. C
22. B

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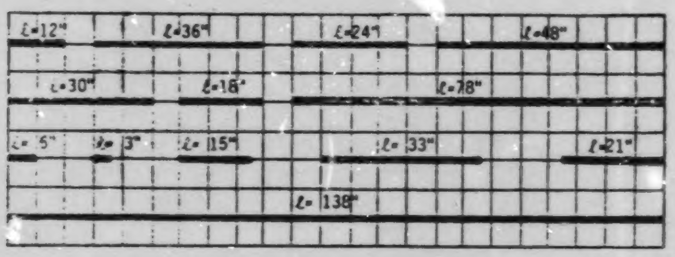
SCALE: TWO TO ONE

Name Key, pg 31

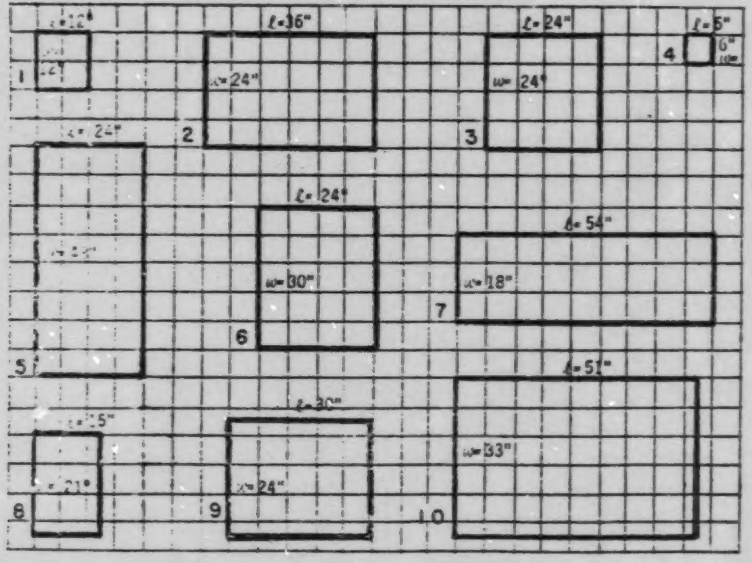
Date____________Period________

* Answers given in inches.

Indicate the length of the line segments below. Record the length above each segment. Remember: two units = 1 foot.* one unit = 6 in. 1/2 unit = 3 in.


ℓ=12"
ℓ=36"
ℓ=24"
ℓ=48"
ℓ=30"
ℓ=18"
ℓ=78"
ℓ= 5"
ℓ= 3"
ℓ= 15"
ℓ= 33"
ℓ=21"
ℓ= 138"

Indicate the length (ℓ) and width (w) of each figure below.


1
ℓ=12"
w=12"
2
ℓ=36"
w=24"
3
ℓ=24"
w=24"
4
ℓ=6"
6"
w=
5
ℓ=24"
6
ℓ=24"
w=30"
7
ℓ=54"
w=18"
8
ℓ=15"
w=21"
9
ℓ=30"
w=24"
10
ℓ=51"
w=33"

Key, pg 33-34

LIVING ROOM

1.	B
2.	A
3.	C
4.	B
5.	A
6.	D
7.	C
8.	D
9.	B
10.	C
11.	A
12.	D
13.	C
14.	B
15.	A
16.	D
17.	A
18.	C
19.	B
20.	D
21.	A

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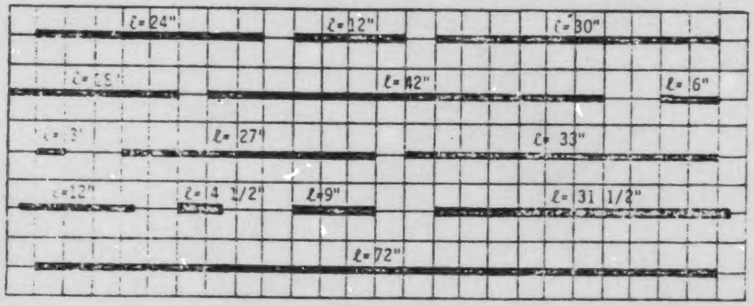
SCALE: FOUR TO ONE

Name Key, pg 36

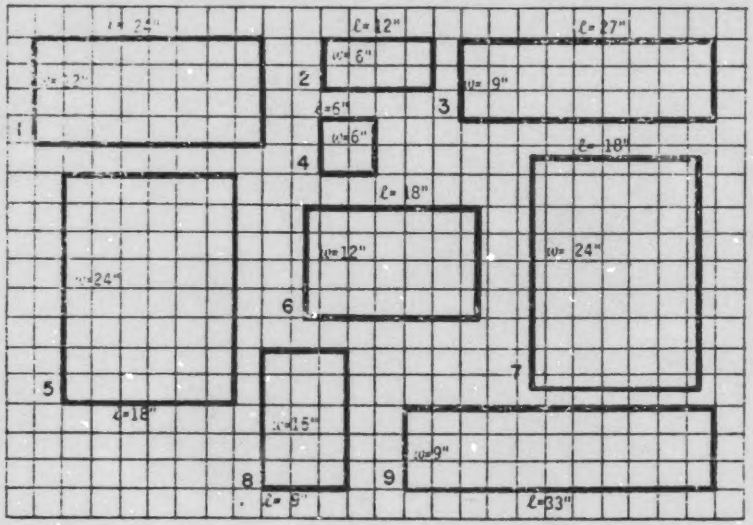
Date________ Period________

* Answers given in inches.

Indicate the length of the line segments below. Record the length above each segment. Remember: four units = 1 foot. *two units = 6 in. one unit = 3 in. three units = 9 in. 1/2 unit = 1 1/2 in.



Indicate the length (ℓ) and width (w) of each figure below.



SAN FERNANDO VALLEY

Name Key, pg 38

Date________ Period________

16. Arleta
25. Burbank
1. Calabasas
3. Canoga Park
4. Chatsworth
5. Encino
27. Glendale
9. Granada Hills
22. Lakeview Terrace
15. Mission Hills
23. North Hollywood
8. Northridge
17. Pacoima
14. Panorama City
28. Pasadena
10. Porter Ranch
7. Reseda
18. San Fernando
13. Sepulveda
11. Sherman Oaks
20. Studio City
26. Sunland
24. Sun Valley
19. Sylmar
6. Tarzana
21. Universal City
12. Van Nuys
2. Woodland Hills

1. What is the definition of a valley? AN ELONGATED DEPRESSION BETWEEN HILLS OR MOUNTAINS
2. How did our valley get its name? FROM SAN FERNANDO MISSION
3. Name the four mountain ranges that surround the valley.

SANTA SUSANA SANTA MONICA

SAN GABRIEL VERDUGO

4. Which city is farthest north on the map? SYLMAR
5. Which city is farthest south on the map? UNIVERSAL CITY
6. Which city is farthest east on the map? PASADENA
7. Which city is farthest west on the map? CALABASAS
8. How far is it from:

Pacoima to Arleta? 1 MI Sepulveda to Panorama City? 1 MI

Pacoima to San Fernando? 2 MI Woodland Hills to Canoga Park? 2 MI

Sepulveda to Mission Hills? 2 MI San Fernando to Sylmar? 3 MI

Glendale to Pasadena? 4 MI Lakeview Terrace to Sun Valley? 4 1/2

Sun Valley to Sunland? 5 MI Tarzana to Van Nuys? 6 MI

Van Nuys to North Hollywood? 7 MI Pacoima to Sunland? 8 MI

Calabasas to Pasadena? 29 MI Sylmar to Studio City 14 MI

9. Which city is directly north of Pacoima? SAN FERNANDO
10. Which city is directly south of Pacoima? ARLETA
11. What is the first city west of Pacoima? MISSION HILLS
12. What is the first city east of Pacoima? LAKEVIEW TERRACE

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F58

PROPORTIONS 1

Name Key, pg 41
Date______ Period______

Solve each of the following proportions.

1. $\frac{2}{3} = \frac{8}{A}$
$A = 12$

2. $\frac{21}{24} = \frac{7}{B}$
$B = 8$

3. $\frac{9}{10} = \frac{C}{70}$
$C = 63$

4. $\frac{4}{6} = \frac{D}{3}$
$D = 2$

5. $\frac{4}{E} = \frac{20}{25}$
$E = 5$

6. $\frac{27}{F} = \frac{9}{11}$
$F = 33$

7. $\frac{G}{7} = \frac{42}{49}$
$G = 6$

8. $\frac{H}{24} = \frac{2}{3}$
$H = 16$

9. $\frac{J}{13} = \frac{60}{130}$
$J = 6$

Solve each of the following proportions and show the work.

10. $\frac{6}{8} = \frac{9}{K}$
$6K = 72$
$K = 12$

11. $\frac{2}{4} = \frac{5}{L}$
$2L = 20$
$L = 10$

12. $\frac{3}{9} = \frac{M}{6}$
$18 = 9M$
$2 = M$

13. $\frac{2}{6} = \frac{N}{15}$
$30 = 6N$
$5 = N$

14. $\frac{4}{P} = \frac{10}{15}$
$60 = 10P$
$6 = P$

15. $\frac{3}{Q} = \frac{7}{14}$
$42 = 7Q$
$6 = Q$

16. $\frac{R}{10} = \frac{12}{15}$
$15R = 120$
$R = 8$

17. $\frac{S}{9} = \frac{5}{15}$
$15S = 45$
$S = 3$

•18. $\frac{3}{4} = \frac{4}{T}$
$3T = 16$
$T = 5\,1/3$

PROPORTIONS 2

Name Key, pg 42
Date______ Period______

Using the ratio of 1 inch (in.) to 4 miles (mi), compute the distance by solving the following proportions.

1. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{8 \text{ IN.}}{N \text{ MI}}$
$N = 32$

2. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{13 \text{ IN.}}{N \text{ MI}}$
$N = 52$

3. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{3\,1/2 \text{ IN.}}{N \text{ MI}}$
$N = 14$

4. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{11\,1/2 \text{ IN.}}{N \text{ MI}}$
$N = 46$

5. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{4\,1/4 \text{ IN.}}{N \text{ MI}}$
$N = 17$

6. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{7\,3/4 \text{ IN.}}{N \text{ MI}}$
$N = 31$

7. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{10 \text{ MI}}$
$10 = 4N$
$2\,1/2 = N$

8. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{22 \text{ MI}}$
$22 = 4M$
$5\,1/2 = N$

9. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{17 \text{ MI}}$
$17 = 4N$
$4\,1/4 = N$

10. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{55 \text{ MI}}$
$55 = 4N$
$13\,3/4 = N$

11. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{81 \text{ MI}}$
$81 = 4N$
$20\,1/4 = N$

12. $\frac{1 \text{ IN.}}{4 \text{ MI}} = \frac{N \text{ IN.}}{111 \text{ MI}}$
$111 = 4N$
$27\,3/4 = N$

BEST COPY AVAILABLE

FURNITURE SCALING

Name Key, pg 48

Date__________ Period__________

Using the ratio of 1 square to 4 inches, scale down each piece of furniture below and complete the chart with your results. Show all work! Then, draw each piece of furniture on 1/4 inch graph paper.

Item	Dimensions in inches	Dimensions in squares
Night Table #1	20" by 20"	5 by 5
Night Table #2	20" by 24"	5 by 6
Desk	36" by 20"	9 by 5
TV and Stand	24" by 20"	6 by 5
Bookcase	48" by 12"	12 by 3
Chair	30" by 30"	7½ by 7½
Dresser #1	44" by 24"	11 by 6
Dresser #2	56" by 24"	14 by 6
Dresser #3	66" by 24"	16½ by 6
Twin Bed	78" by 40"	19½ by 10

1. Night Table #1 (20" by 20")

$$\frac{1 \text{ square}}{4 \text{ inches}} = \frac{x \text{ squares}}{20 \text{ inches}}$$

$$20 = 4X$$

$$5 = X$$

2. Night Table #2

3. Desk

4. TV and Stand

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TABLE OF CONTENTS - FACELIFT TESTS

Do You Measure Up Test . . . . TF 1

Furniture Scale Test . . . . TF 2-3

"Facelift" Test . . . . TF 4-5

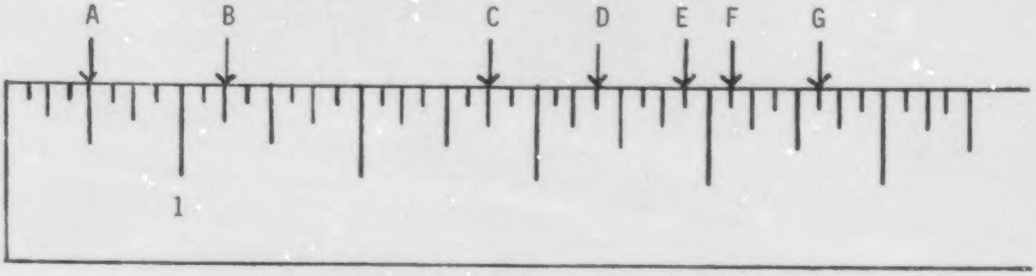
Answer keys follow the tests.

DO YOU MEASURE UP? TEST

Name______________________________

Date________________Period_______

Directions: **Indicate** the measure to each letter from the **left end** of this ruler or between the two letters.



To A_______________

To B_______________

To C_______________

To D_______________

To E_______________

To F_______________

To G_______________

From A to B_______________

From B to C_______________

From C to D_______________

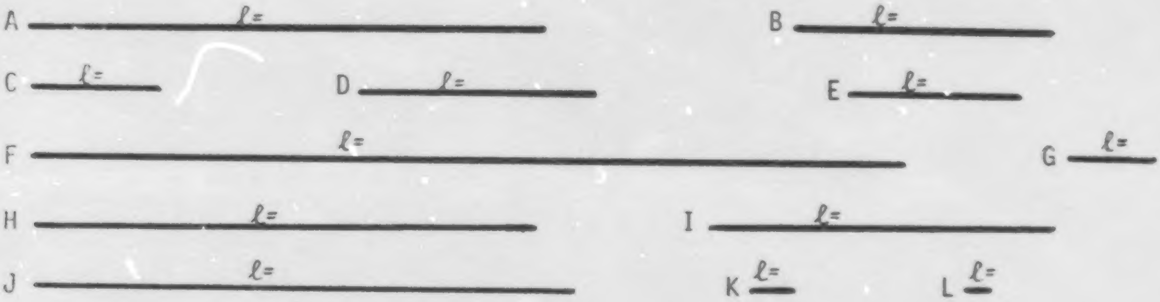
From C to F_______________

From E to F_______________

From F to G_______________

From A to G_______________

Measure Each Line Segment


A ℓ=
B ℓ=
C ℓ=
D ℓ=
E ℓ=
F ℓ=
G ℓ=
H ℓ=
I ℓ=
J ℓ=
K ℓ=
L ℓ=

Arrange these fractions from smallest to largest.

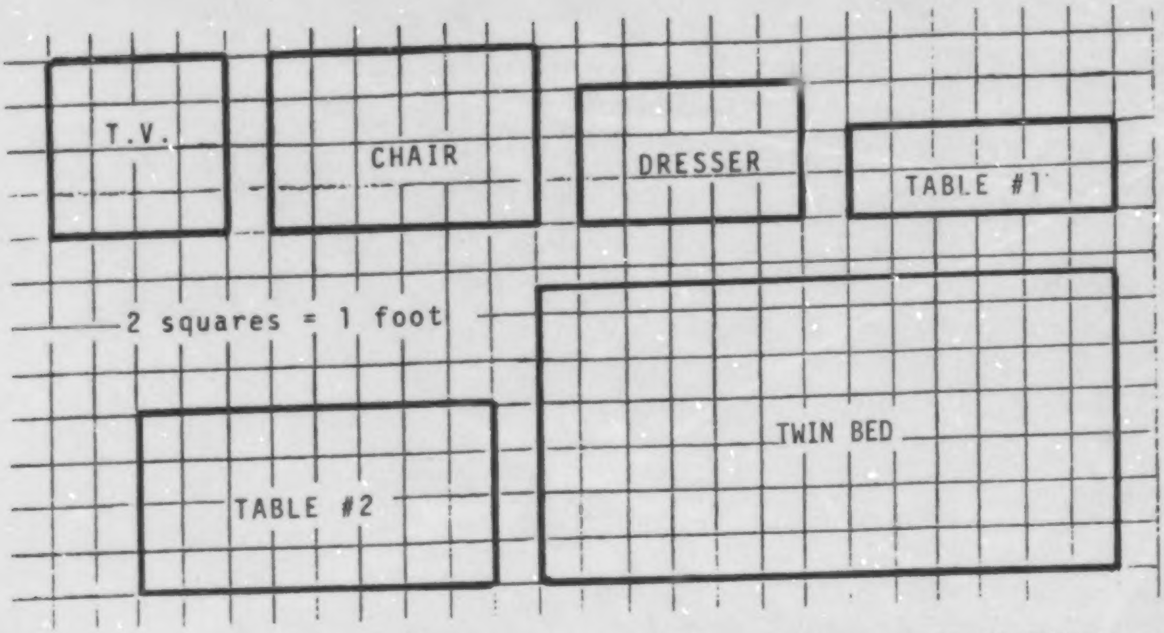
5/8, 1/4, 3/4, 7/8, 1/2, 1/8, 3/8

1.______ 2.______ 3.______ 4.______ 5.______ 6.______ 7.______

FURNITURE SCALE TEST

Name________________________________

Date____________________Period________



Directions: Above you see the scaled down models of some bedroom furniture. The scale is 2 squares for every foot. Use this information to answer the following questions:

1. What is the measure of one square?

   A. 1 foot B. 2 feet C. 6 in D. 4 in

2. How long is table #1?

   A. 2 feet B. 3 feet C. 4 feet D. 6 in

3. How many squares would 10 feet be?

   A. 10 B. 5 C. 2 D. 20

4. How wide is the chair?

   A. 2 feet B. 1 foot C. 4 feet D. 2 feet 6 inches

5. How many inches are there in 1/2 square?

   A. 2 B. 3 C. 4 D. 6

6. How long is the dresser?

   A. 6 feet B. 3 feet C. 3 1/2 feet D. 2 1/2 feet

FURNITURE SCALE TEST

7. How many TV's could you put on table #2?

A. 1 B. 3 C. 2 D. 4

8. How wide is the twin bed?

A. 3 feet
B. 3 1/2 feet
C. 3 feet 4 inches
D. 3 feet 3 inches

9. How much wider is table #2 than the dresser?

A. 6 inches B. 1 foot C. 2 feet D. 4 Inches

10. How much wider is the bed than the dresser?

A. 15 inches B. 20 inches C. 21 inches D. 25 inches

Draw the following figures. Remember: two units = 1 foot.

11. ℓ = 4', w = 2'
12. ℓ = 3 1/2', w = 1 1/2'
13. ℓ = 2'9", w = 1'3"
14. ℓ = 6'6", w = 9"
15. ℓ = 24", w = 15"

TWO TO ONE

"FACELIFT" TEST

Name________________________________

Date____________________Period_____

Directions: Use the floor plan to answer the following questions. The scale is 3 squares for 1 foot.

1. What is the total size of the room?

A. 10' x 10' B. 12' x 12' C. 10' x 12' D. 9' x 10'

2. How wide is the door?

A. 3 feet B. 32 inches C. 30 inches D. 39 inches

3. If 3 squares equal one foot, one square equals_________inches.

A. 6 B. 12 C. 3 D. 4

4. How wide is each window?

A. 2 feet B. 4 feet C. 6 feet D. 3 feet

5. How many squares would 5 feet be?

A. 5 B. 10 C. 15 D. 20

6. How many inches are in 1/2 of a square?

A. 2 B. 1 C. 3 D. 6

7. How much wider is the night table than the bookcase?

A. 12 inches B. 2 feet C. 6 inches D. 8 inches

8. How far away fron the night table is the bed?

A. 5 inches B. 20 inches C. 1 1/2 feet D. 2 feet

9. Kareem Abdul-Jabbar is 7'2" tall. How much longer is he than the bed?

A. 1 foot B. 8 in C. 10 in D. 16 in

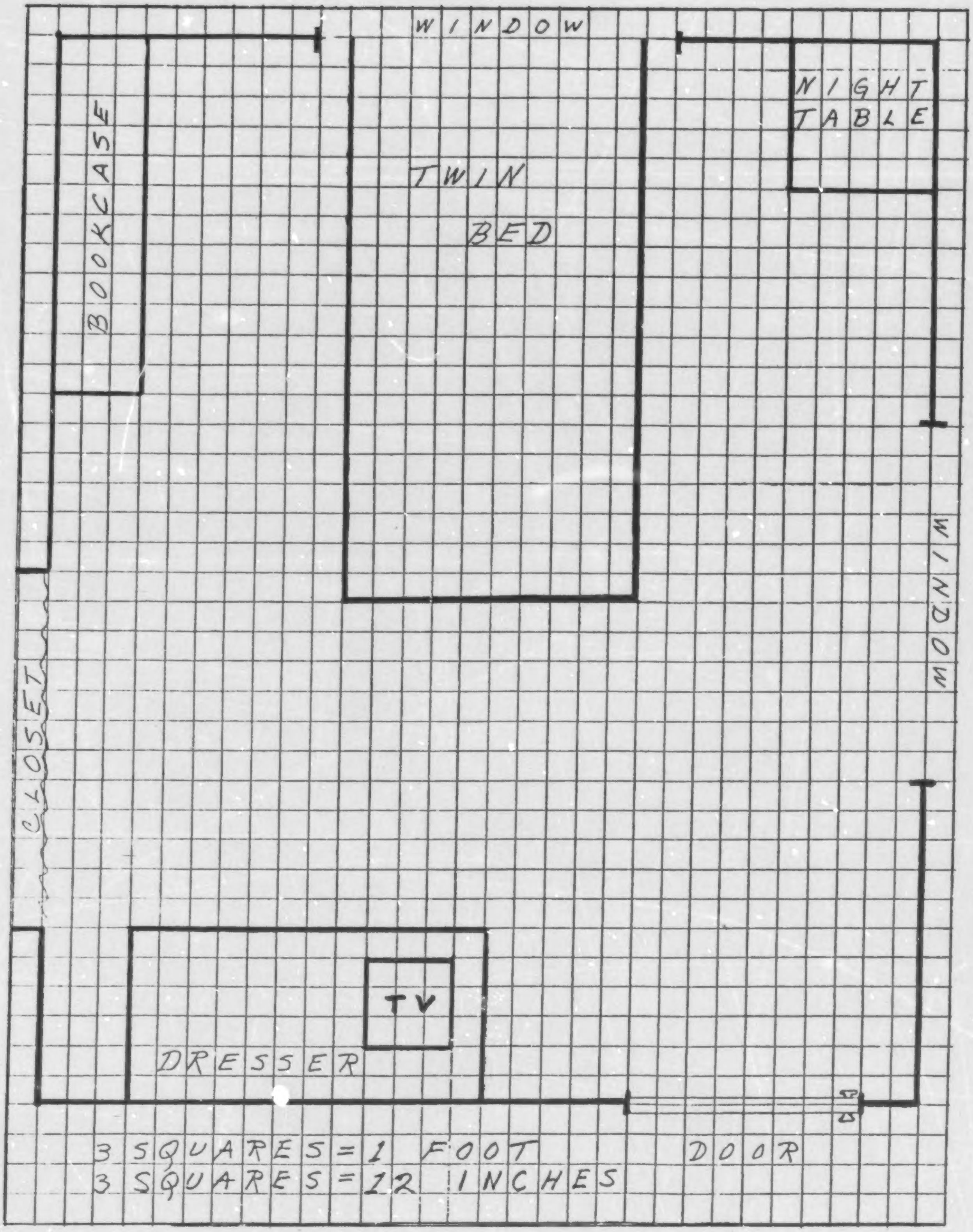
10. How many TV sets could be placed side by side on top of the dresser?

A. 8 B. 6 C. 3 D. 2

11. $\frac{3}{4} = \frac{18}{N}$ 12. $\frac{A}{5} = \frac{21}{35}$ 13. $\frac{6}{9} = \frac{X}{12}$

TF4

"FACELIFT" TEST


WINDOW
NIGHT TABLE
BOOKCASE
TWIN BED
WINDOW
CLOSET
TV
DRESSER
DOOR
3 SQUARES = 1 FOOT
3 SQUARES = 12 INCHES

ANSWER KEYS TO FACELIFT TESTS

Do you Measure Up? Test

See correctly filled out page TF1.

Furniture Scale Test

1.	C	6.	D
2.	B	7.	C
3.	B	8.	D
4.	A	9.	A
5.	B	10.	C

See correctly filled out page TF3.

Facelift Test

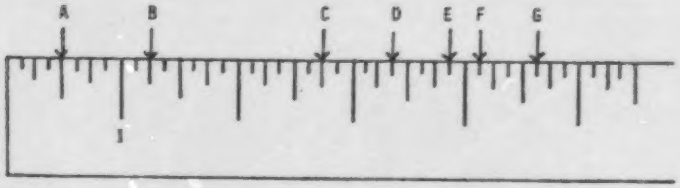
1.	C	6.	A	11.	24
2.	B	7.	D	12.	3
3.	D	8.	B	13.	8
4.	B	9.	C		
5.	C	10.	A		

DO YOU MEASURE UP? TEST

Name Key, Pg TF1

Date________ Period________

Directions: Indicate the measure to each letter from the left end of this ruler or between the two letters.



To A 1/2"

To B 1 1/4"

To C 2 3/4"

To D 3 3/8"

To E 3 7/8"

To F 4 1/8"

To G 4 5/8"

From A to B 3/4"

From B to C 1 1/2"

From C to D 5/8"

From C to F 1 3/8"

From E to F 1/4"

From F to G 1/2"

From A to G 4 1/8"

Measure Each Line Segment

A ℓ= 3"

B ℓ= 1 1/2"

C ℓ= 3/4"

D ℓ= 1 3/8"

E ℓ= 1"

F ℓ= 5"

G ℓ= 1/2"

H ℓ= 2 7/8"

I ℓ= 2"

J ℓ= 3 1/8"

K ℓ= 1/4"

L ℓ= 1/8"

Arrange these fractions from smallest to largest.

5/8, 1/4, 3/4, 7/8, 1/2, 1/8, 3/8

1. 1/8 2. 1/4 3. 3/8 4. 1/2 5. 5/8 6. 3/4 7. 7/8

FURNITURE SCALE TEST

Key, Pg TF3

7. How many TV's could you put on table #2?

A. 1 B. 3 [✓ C. 2] D. 4

8. How wide is the twin bed?

A. 3 feet
B. 3 1/2 feet
C. 3 feet 4 inches
[✓ D.] 3 feet 3 inches

9. How much wider is table #2 than the dresser?

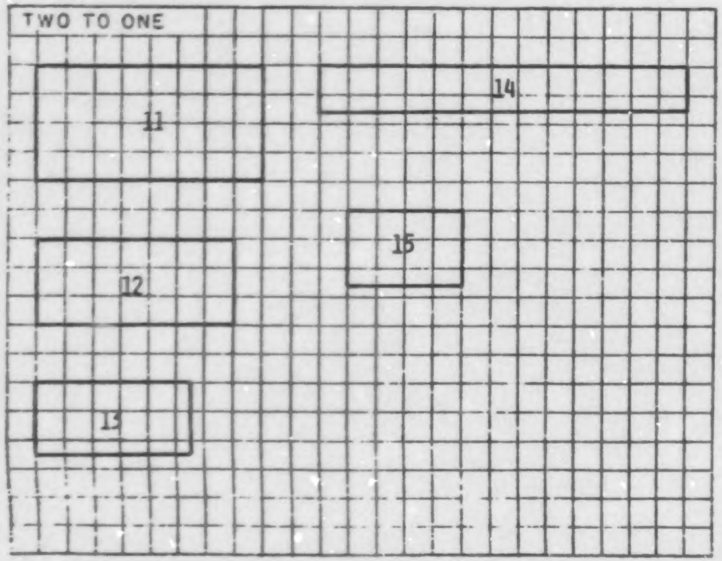
[✓ A.] 6 inches B. 1 foot C. 2 feet D. 4 inches

10. How much wider is the bed than the dresser?

A. 15 inches B. 20 inches [✓ C.] 21 inches D. 25 inches

Draw the following figures. Remember: two units = 1 foot.

11. ℓ = 4', w = 2'
12. ℓ = 3 1/2', w = 1 1/2'
13. ℓ = 2'9", w = 1'3"
14. ℓ = 6'6", w = 9"
15. ℓ = 24", w = 15"



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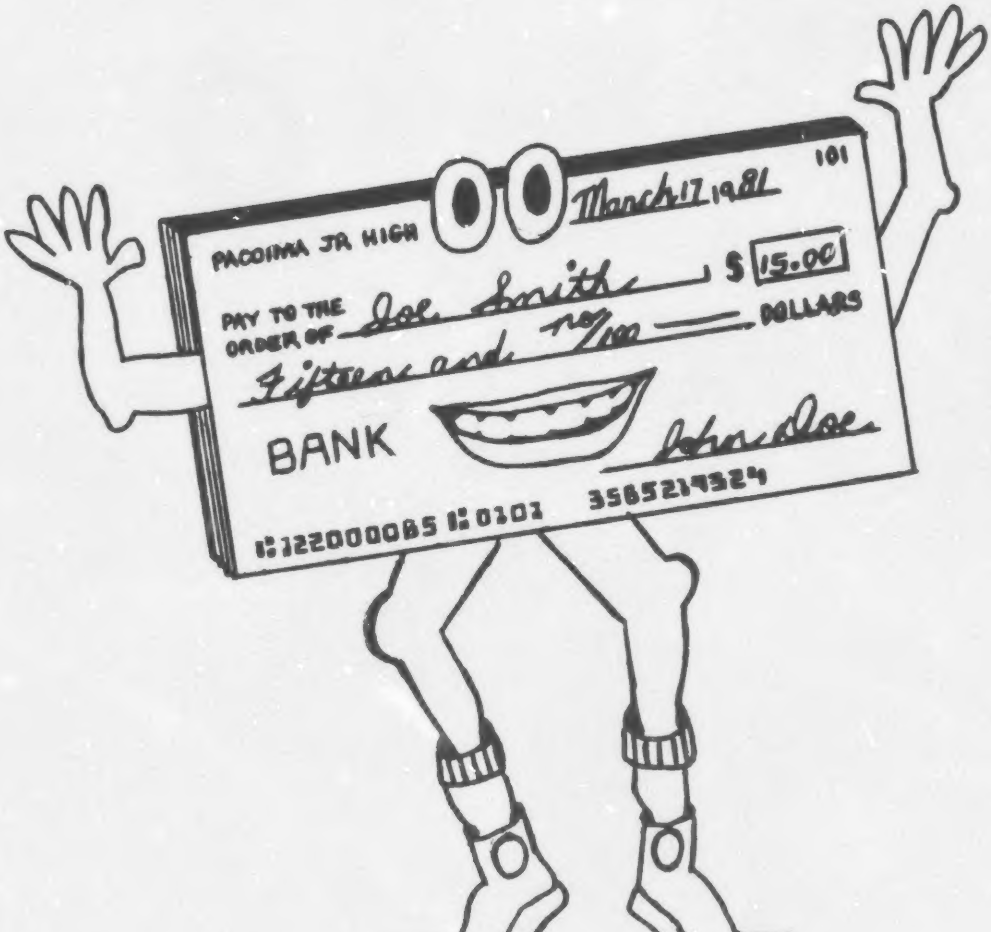
BANKING


101
March 17 1981
PACOIMA JR HIGH
$ 15.00
PAY TO THE ORDER OF Joe Smith
no/100 DOLLARS
Fifteen and
BANK
John Doe
3585219324
122000085 0101

BANKING - *Teacher's Introduction*

Like so many other topics in applied arithmetic, "Banking" is as much reading as it is mathematics. Vocabulary and comprehension skills need to be developed and reinforced by continuing short periods of practice, not only in this unit but throughout the school year. Accuracy in computation shares importance with careful reading, neat writing and correct spelling in all "Banking" lessons, as in real life transactions.

The three weeks of lesson plans in "Banking" may be used in virtually any secondary math class at any time. Each lesson could be used for only a part of a math class period in conjunction with teaching or reviewing decimal fractions, and they would not necessarily have to be on succeeding days.

This unit provides experiences with banking vocabulary and forms, including various types of check registers, as well as with the arithmetic of money management. In the *"This Is Your Life"* sequence, these lessons have been placed between the room redecoration unit and the lessons on purchasing a car where students will begin to write checks for car payments, insurance, etc. Care should also be taken to provide for real understanding of the advantages in writing checks: safety, convenience and having a permanent legal record of expenditures and payments.

When this unit has been finished, it would be wise to require frequent practice in check-writing skills throughout the rest of the course. Until we achieve a totally computerized business world, correctly written checks and correctly balanced accounts are going to be significant parts of the adult world of arithmetic.

BANKING - CHRONOLOGY

	Day 1	Day 2	Day 3	Day 4	
WEEK 1	Complete "Opening Accounts" forms. Begin "Vocabulary of Banking" worksheet.	Complete "Vocabulary of Banking" worksheet. *School Week #18*	Begin "In or Out" worksheet.	Complete "In or Out" worksheet.	PAYDAY
WEEK 2	Discuss how to read and write a check. Complete "Checking Accounts" worksheet.	OPEN DAY *School Week #19*	Begin "Pay Your Bills 1" worksheet.	Complete "Pay Your Bills 1" worksheet.	PAYDAY
WEEK 3	Complete "Check Register 1" worksheet.	Begin "Pay Your Bills 2" worksheet. *School Week #20*	Complete "Pay Your Bills 2" worksheet.	Complete "Using a Banking Vocabulary" worksheet.	PAYDAY

BANKING - FIRST WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Complete forms to open a checking account.
Recognize words commonly used in banking.
Complete Checking/Savings deposit slip.
Complete Checking/Savings withdrawal slip.

Activities:

Day 1 *Complete "Opening Accounts" forms. Begin "Vocabulary of Banking" worksheet...*

Using an overhead transparency of the "Opening Accounts" forms, have the students complete an application card and a signature card. These forms may be obtained at a local bank or use the forms provided. Using a class set of dictionaries, have the students select a banking definition for each of the words.

Day 2 *Complete "Vocabulary of Banking" worksheet.*

Upon completion of the worksheet begin a class discussion of the vocabulary to insure that the students have selected the correct banking definition. Refer to "Using a Banking Vocabulary" worksheet, included in week three, to make sure that the student has selected the correct definition.

Day 3 *Begin "In or Out" worksheet...*

Using an overhead transparency of a "Savings Deposit" and "Savings Withdrawal" form, lead the students through problems 1 and 5. The A.B.A. numbers used in this lesson will be discussed in week 2. Remind the students that although we are using a Savings Deposit slip, it is very similar to a Checking Deposit slip.

Day 4 *Complete "In or Out" worksheet.*

MATERIALS: *Ditto copies of:*

"Opening Accounts" worksheet
"Vocabulary of Banking" worksheet
"In or Out" worksheet
"Savings Deposit" form (one page back to back)
"Savings Withdrawal" form

Overhead transparencies of:

"Opening Accounts" forms
"Savings Deposit" form
"Savings Withdrawal" form

Class set of dictionaries

OPENING ACCOUNTS

Name______________________________

Date________________Period________

Pacoima City Bank

__________________________________ Account No.______________

(Type or print name of depositor here)

By signing this form, I open a ☐ Saving ☐ Checking account with you. I understand that you will handle my deposits according to your arrangement for services of this type. I understand that you will inform me of any changes in these services that effect my rights and obligations as a depositor.

I want my account to be: (Check one)

☐ Individual (mine alone)

☐ Joint Tenancy (with one or more persons who have right of survivorship)

Signature Mr. / Miss / Mrs. ______________________________

Address:______________________________ Telephone__________

Social Security No.________________ Employer________________

Birthplace:________________ Mother's Maiden Name________________

BANK USE ONLY

Introduced by________________ Bank Reference________________

Opened by________________ Date________ Amount________

Acct. Closed________________ Reason________________

VOCABULARY OF BANKING

Name______________________________

Date_______________Period________

Use a dictionary, as needed, to give the (banking) definitions of these words.

1. Deposit____

2. Withdrawal____

3. Installment____

4. Checks____

5. Balance____

6. Collateral____

7. Register____

8. Currency____

9. Contract____

10. Payee____

11. Principal____

12. Interest____

13. Teller____

14. Service Charge____

15. Void____

16. Income____

17. Debit____

18. Credit____

19. Loan____

20. Mortgage____

SAVINGS DEPOSIT

Name____________________

Date______________ Period__________

SAVINGS DEPOSIT

BRANCH NO. ACCOUNT NO.

NAME

ADDRESS

CITY STATE ZIP

Date New Balance

Sign here for less cash

	DOLLARS	CENTS
CURRENCY		
COINS		
CHECKS (A.B.A. NO.)		
SUB-TOTAL		
LESS CASH		
TOTAL DEPOSIT		

SAVINGS DEPOSIT

BRANCH NO. ACCOUNT NO.

NAME

ADDRESS

CITY STATE ZIP

Date New Balance

Sign here for less cash

	DOLLARS	CENTS
CURRENCY		
COINS		
CHECKS (A.B.A. NO.)		
SUB-TOTAL		
LESS CASH		
TOTAL DEPOSIT		

SAVINGS WITHDRAWAL

Name ____________________

Date ______________ Period __________

SAVINGS WITHDRAWAL

______________ DATE

RECEIVED OF ***Pacoima City Bank*** $ ______________

______________ DOLLARS

FROM MY SAVING ACCOUNT NUMBER ______ - ______

______________ SIGNATURE

______________ ADDRESS

SAVINGS WITHDRAWAL

______________ DATE

RECEIVED OF ***Pacoima City Bank*** $ ______________

______________ DOLLARS

FROM MY SAVING ACCOUNT NUMBER ______ - ______

______________ SIGNATURE

______________ ADDRESS

IN OR OUT

Name ____________________________

Date ________________ Period ______

On problems (1-4) fill out the savings deposit slips included in the lesson.

1. You want to deposit the following:

Currency
2 twenty dollar bills
5 ten dollar bills
2 five dollar bills
7 one dollar bills

Checks
A.B.A. No. 18-22 $ 22.35
A.B.A. No. 15-40 148.23

Coins
3 half-dollars
5 quarters
8 dimes
13 nickels
14 pennies

2. You want to deposit the following:

Currency
4 twenty dollar bills
1 ten dollar bill
3 one dollar bills

Checks
A.B.A. No. 17-34 $ 12.47
A.B.A. No. 18-22 36.99

Coins
10 quarters
7 dimes
9 nickels
3 pennies

3. You want to deposit the following:

Currency
3 twenty dollar bills
8 ten dollar bills
17 one dollar bills

Checks
A.B.A. No. 18-22 $ 5.85
A.B.A. No. 17-34 9.50
A.B.A. No. 15-40 25.00

Coins
8 quarters
16 dimes
22 nickels

4. You want to deposit the following:

Currency
1 fifty dollar bill
4 twenty dollar bills
9 ten dollar bills
11 five dollar bills
24 one dollar bills

Checks
A.B.A. No. 15-40 $ 43.99
A.B.A. No. 18-25 28.48

Coins
7 half-dollars
3 quarters
17 dimes
12 nickels
22 pennies

On problems (5&6) fill out the savings withdrawal slip included in the lesson.

5. You want to withdraw $60.00 from your savings account. Your account number is 175-668.

6. You want to withdraw $145.00 from your savings account. Your account number is 175-668.

BANKING - SECOND WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Recognize how to read all words and numbers on a check.
Write a check.
Discuss the safeguards of checking.
Complete a check with an attached stub.
Balance a checking account.

Activities:

Day 1 *Discuss how to read and write a check. Complete "Checking Accounts" worksheet.*

Hand out "Money Management" and "How to Write a Check and How to Read One" (run back to back). Discuss with the class all the words and numbers that appear on a check. An overhead transparency of "How to Write a Check and How to Read One" could be helpful in this lesson. Also discuss "Money Management" with the class and see if the students can add to the list of savings hints. Distribute "Checking Accounts" worksheet and have students complete the worksheet using the information just discussed.

Day 2 *Open Day*

Day 3 *Begin "Pay Your Bills 1" worksheet...*

Using an overhead transparency of a check with an attached stub, guide the students through the writing of the first check and the recording of the information on the attached stub. Remind the students that the new balance of the first check stub becomes the balance forward of the second check stub. This assignment is a two day activity and accuracy should be emphasized since a mistake on an early stub results in inaccurate figures from that point on (similar to a payday error).

Day 4 *Complete "Pay Your Bills 1" worksheet.*

MATERIALS: *Ditto copies of:*

"How to Write a Check and How to Read One"
"Money Management"
"Checking Accounts" worksheet
"Pay Your Bills 1" worksheet
Checks with attached stubs

Overhead transparencies of:

"How to Write a Check and How to Read One" (helpful but not necessary)
Check with an attached stub

*HOW TO WRITE A CHECK AND HOW TO READ ONE:

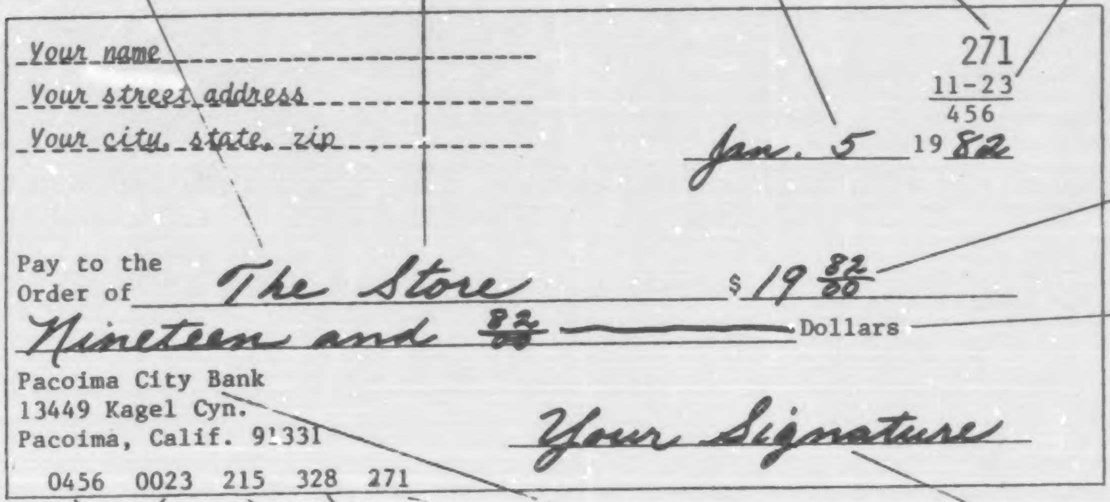
Write or print clearly and in ink. Never use pencil-you could fall victim to any con artist with an eraser.

Always write in the name of the person or place you are paying the check to.

Consecutive check number to be used on your check records.

Date each check properly. If you date it ahead, the bank may return it.

The American Bankers Association (ABA) number is what you should use on your deposit slip when it asks for a bank number. The first two numbers tell the geographical location of your bank. The following numbers tell which branch. The set of numbers beneath the line is a Federal Reserve routing symbol.



Your name
Your street address
Your city, state, zip

271
11-23
456

Jan. 5 19 82

Pay to the Order of The Store $ 19 82/00

Nineteen and 82/00 Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

Your Signature

0456 0023 215 328 271

Write the amounts as close to the dollar sign as possible, so that additional figures can't be inserted. Write the amount in words on the next line. Again, start as far as possible to the left, and draw a heavy line between the written amount and the word "dollars." Such care helps frustrate check alterers.

This set of numbers is called the Transit Field. It corresponds to the ABA number at the top, and is used for routing by the computer.

Name and location of the bank the check is drawn on.

This set is called the Account Number. It consists of the internal number of the bank branch followed by your account number.

When you open your account, pick a signature and stick to it. Remember that a clearly written two-name signature is usually harder to forge than an illegible one.

If your checks are prenumbered, the number of each check will usually appear here as well as in the upper right corner.

MONEY MANAGEMANT

The 10 Safeguards of checking!

1. Guard your checks. If you lose even one, notify your bank immediately.
2. Carry your driver's license, credit cards, and I.D. separately from your checkbook! Together, they're the answer to a forger's prayers.
3. Never sign a blank check.
4. The same goes for checks made out to "Cash". Write and sign them after you get to the bank.
5. Never change anything on a check and never accept an altered check.
6. Don't lend your checks or deposit slips and don't borrow anyone else's. The magnetic code number at the bottom is still there, even if you cross it out.
7. Never use a check or deposit slip that is torn in the magnetic code area.
8. Each time you receive a new set of checks, make sure the account number printed at the bottom is your account number - not someone else's.
9. When you receive a check, cash it as soon as possible. Many banks won't honor a check if it's more than 90 days old.
10. When endorsing a check, sign your name exactly as it appears on the front, even if it's misspelled. Then sign your regular signature beneath it.

Everyone can save money, even you. Here are a few hints.

1. Each evening, hide away your loose change.
2. If you buy your lunch, brown-bag it several days a week.
3. Can you embroider, crochet, knit, weave, carve, draw, paint or photograph gifts?
4. Spending a lot on records and books? Visit your public library.
5. If you kick a costly habit, like smoking, save the cost. A two-packs-a-day smoker can wind up $400 a year richer.
6. When you get your next raise, pretend you didn't. Stash that amount in your savings on payday.
7. When you make the last payment on a car, or personal loan, continue "payments" to your savings account.
8. Join a car pool.

CHECKING ACCOUNTS

Name______________________________

Date______________Period________

Here are some reasons why so many people use checks instead of cash to pay their bills.

People do not have to carry large amounts of cash.

Checks are safe in the mail.

People can write checks instantly.

Cancelled checks are returned with a monthly bank statement so that people will have a record of checks written and proof of payment.

Liz Barr
409 Scott St.
Mt. Pleasant, Calif. 90715

301
11-23
456
10/3 1982

Pay to the Order of Dept. of Water + Power $47.19

Forty-seven and $\frac{19}{00}$ —— Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

Liz Barr

0456 0023 215 328 301

Use the sample check. Write the following information.

a. The check number:____________________

b. The bank (ABA) number:_______________

c. The date the check was written:________________________

d. The person or company being paid:_____________________________

e. The amount of the check: $____________________

f. The person who signed the check:______________________________

g. The checking account number of the person who signed the check:

____

h. Name of the bank the check is drawn on:_________________________

____

PAY YOUR BILLS 1

Name________________________________

Date________________Period__________

Write a check for each of the items below. Record the necessary information on the attached check stub. The balance forward on the first check stub is $355.92.

Check #	102	October 5	Pacific Telephone Co.	$ 12.01
	103	October 5	Southern California Gas Co.	7.50
	104	October 7	Wheels Insurance Co. (Car Ins.)	63.49
	105	October 8	Fedmart (Halloween Costume)	15.49
		October 10	Deposit	95.00
	106	October 14	Cash	25.00
	107	October 20	Pacoima City Bank (Car Payment)	94.05
	108	October 23	Sunrise Apartments (Rent)	165.50
	109	October 25	Vons (Groceries)	32.67

B14

Number____________ $____________

Date________________19______

To________________________

For

	Dollars	Cents
Bal. Forward		
Amount Deposited		
Total		
Amount This Check		
New Balance		

Number____________

11-23
456

____________19____

Pay to the
Order of____$__________

____Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328 ________________________________

Number____________ $____________

Date________________19______

To________________________

For

	Dollars	Cents
Bal. Forward		
Amount Deposited		
Total		
Amount This Check		
New Balance		

Number____________

11-23
456

____________19____

Pay to the
Order of____$__________

____Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328 ________________________________

BANKING - THIRD WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Complete a Check Register and compute the balances.
Match banking words with given definitions.

Activities:

Day 1 *Complete "Check Register 1" worksheet*

Using an overhead transparency of "Check Register 1" worksheet, guide the students through the recording of the first check onto the register. Students should be reminded that there is not a place to do addition or subtraction on the register. This addition and subtraction can be done on an attached worksheet. Accuracy again must be emphasized since a mistake on an early balance will result in inaccurate figures from that point on.

Day 2 *Begin "Pay Your Bills 2" worksheet...*

This assignment is a two day activity. The students will be using the knowledge they have gained in the last two weeks to write checks, to record the information on a check register and to keep an accurate balance of these checks. The teacher can point out to the students that these are typical expenses from a payday.

Day 3 *Complete "Pay Your Bills 2" worksheet.*

Day 4 *Complete "Using a Banking Vocabulary" worksheet.*

This worksheet may be used as a quiz on banking vocabulary.

MATERIALS: *Ditto copies of:*

"Check Register 1" worksheet
"Pay Your Bills 2" worksheet
"Check Register" worksheet
Check without stubs (9 checks needed)
"Using a Banking Vocabulary" worksheet

Overhead transparencies of:

"Check Register 1" worksheet

B 16

CHECK REGISTER 1

Name ______________________________

Date ____________________ Period __________

On the Check Register below enter the figures and compute the balances.

Check # 101	October 5	Wild West Department Store	$ 16.27	
Check # 102	October 7	Osborne Clothing Store	23.84	
Check # 103	October 9	Laurel Bookstore	5.26	
Check # 104	October 11	Void (No change in Balance)		
Check # 105	October 11	Van Nuys Gift Shop	7.14	
	October 16	Deposit	65.00	(Payday)
Check # 106	October 18	Kagel Corner Supermarket	27.49	
	October 21	Bank Montnly Charge	2.50	

Check No.	Date	Check Issued To or Deposit	Amount of Check		Deposit		Balance	
		Balance Forward					176	14

PAY YOUR BILLS 2

Name________________________________

Date________________Period__________

Write a check for each of the items below. Record the necessary information on the "Check Register." The balance forward is $498.65

Check #	202	November 3	Pacific Telephone Co.	$ 13.50
	203	November 3	Southern California Gas Co.	8.98
	204	November 5	Wheels Insurance Co. (Car Ins.)	63.49
		November 6	Deposit	135.00
	205	November 8	Void	.
	206	November 8	Debbie Johnson (Birthday Present)	10.00
	207	November 12	L.A. Dept. of Water & Power	37.16
	208	November 15	Pacoima City Bank (Car Payment)	94.05
		November 20	Monthly Service Charge	2.25
	209	November 21	Cash	20.00
	210	November 27	Sunrise Apartments (Rent)	165.50

B 18

CHECK REGISTER

Name______________________________

Date________________ Period__________

Check No.	Date	Check Issued To or Deposit	Amount of Check		Deposit		Balance	
		Balance Forward						

Number ____________

11-23
456

____________ 19____

Pay to the
Order of ______________________________ $__________

______________________________ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

Number ____________

11-23
456

____________ 19____

Pay to the
Order of ______________________________ $__________

______________________________ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

Number ____________

11-23
456

____________ 19____

Pay to the
Order of ______________________________ $__________

______________________________ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

USING A BANKING VOCABULARY

Name________________________________

Date________________Period_________

Write each word in front of its corresponding definition.

Balance
Collateral
Checks
Credit
Contract
Currency
Debit
Deposit
Installment
Income
Interest
Loan
Mortgage
Payee
Principal
Register
Service Charge
Teller
Void
Withdrawal

- -

______________ 1. Money paid for the use of money

______________ 2. Money in actual use in a country

______________ 3. List; record

______________ 4. Amount of money on which interest is paid

______________ 5. Entry of something owed in an account

______________ 6. What comes in from business, labor, etc.

______________ 7. Entry of money paid on an account

______________ 8. Taking back; removing

______________ 9. A claim to one's property in case a debt is not paid when due

______________10. The amount remaining after transactions have been made

______________11. Money supplied which is to be repaid

______________12. Something pledged as security for a loan

______________13. No longer in effect

______________14. Written orders for a bank to pay from an account

______________15. Bank clerk

______________16. Part of a sum of money or debt to be paid at a certain regular time

______________17. An amount paid to the bank for a transaction

______________18. Agreement

______________19. Person or place being paid

______________20. Put in a place for safekeeping

SAVINGS DEPOSIT

Name Key
Date
Period Pg 8

SAVINGS DEPOSIT

#1.

BRANCH NO. ACCOUNT NO.

NAME

ADDRESS

CITY STATE ZIP

Date New Balance

Sign here for less cash

	DOLLARS	CENTS
CURRENCY	107	00
COINS	4	34
CHECKS (A.B.A. NO.)		
18-22	22	35
15-40	148	23
SUB-TOTAL	281	92
LESS CASH		
TOTAL DEPOSIT	281	92

SAVINGS DEPOSIT

#2.

BRANCH NO. ACCOUNT NO.

NAME

ADDRESS

CITY STATE ZIP

Date New Balance

Sign here for less cash

	DOLLARS	CENTS
CURRENCY	93	00
COINS	3	68
CHECKS (A.B.A. NO.)		
17-34	12	47
18-22	36	99
SUB-TOTAL	146	14
LESS CASH		
TOTAL DEPOSIT	146	14

B21

SAVINGS DEPOSIT

Name Key
Date
Period Pg 8

SAVINGS DEPOSIT

#3.

BRANCH NO. ACCOUNT NO.

NAME

ADDRESS

CITY STATE ZIP

Date New Balance

Sign here for less cash

	DOLLARS	CENTS
CURRENCY	157	00
COINS	4	70
CHECKS (A.B.A. NO.)		
18-22	5	85
17-54	9	50
15-40	25	00
SUB-TOTAL	202	05
LESS CASH		
TOTAL DEPOSIT	202	05

SAVINGS DEPOSIT

#4

BRANCH NO. ACCOUNT NO.

NAME

ADDRESS

CITY STATE ZIP

Date New Balance

Sign here for less cash

	DOLLARS	CENTS
CURRENCY	299	00
COINS	6	77
CHECKS (A.B.A. NO.)		
15-40	43	99
18-25	28	48
SUB-TOTAL	378	24
LESS CASH		
TOTAL DEPOSIT	378	24

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CHECKING ACCOUNTS

Name Key Pg 12
Date__________ Period______

Here are some reasons why so many people use checks instead of cash to pay their bills.

People do not have to carry large amounts of cash.

Checks are safe in the mail.

People can write checks instantly.

Cancelled checks are returned with a monthly bank statement so that people will have a record of checks written and proof of payment.

Liz Barr
_09 Scott St.
Mt. Pleasant, Calif. 90715

301
11-23
456
10/3 1982

Pay to the Order of Dept. of Water + Power $47.19
Forty-seven and 19/[illegible] Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

Liz Barr

[illegible] 215 328 301

Use the sample check. Write the following information.

a. The check number: 301
b. The bank (ABA) number: 11-23
c. The date the check was written: 10/3/82
d. The person or company being paid: Dept. of Water + Power
e. The amount of the check: $47.19
f. The person who signed the check: Liz Barr
g. The checking account number of the person who signed the check: 215 328
h. Name of the bank the check is drawn on: Pacoima City Bank

Key
Pg 13

Number 102 $12.01
Date Oct. 5 19__
To Pac. Tel.
For

	Dollars	Cents
Bal. Forward	355	92
Amount Deposited		
Total	355	92
Amount This Check	12	01
New Balance	343	91

Number 103 $7.50
Date Oct. 5 19__
To So. Cal. Gas. Co.
For

	Dollars	Cents
Bal. Forward	343	91
Amount Deposited		
Total	343	91
Amount This Check	7	50
New Balance	336	41

Number 104 $63.49
Date Oct. 7 19__
To Wheels Insur. Co.
For car insur.

	Dollars	Cents
Bal. Forward	336	41
Amount Deposited		
Total	336	41
Amount This Check	63	49
New Balance	272	92

Number 105 $15.49
Date Oct. 8 19__
To Fedmart
For costume

	Dollars	Cents
Bal. Forward	272	92
Amount Deposited		
Total	272	92
Amount This Check	15	49
New Balance	257	43

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Number 108 $ 165.50
Date Oct. 23 19
To Sunnie Apts.
For rent

	Dollars	Cents
Bal. Forward	233	38
Amount Deposited		
Total	233	38
Amount This Check	165	50
New Balance	67	88

Number 106 $ 25.00
Date Oct. 14 19
To cash
For

	Dollars	Cents
Bal. Forward	257	43
Amount Deposited	95	00
Total	352	43
Amount This Check	25	00
New Balance	327	43

Number 109 $ 32.67
Date Oct. 25 19
To Vons
For groceries

	Dollars	Cents
Bal. Forward	67	88
Amount Deposited		
Total	67	88
Amount This Check	32	67
New Balance	35	21

Number 107 $ 94.05
Date Oct. 30 19
To Pac. City Bank
For car payment

	Dollars	Cents
Bal. Forward	327	43
Amount Deposited		
Total	327	43
Amount This Check	94	05
New Balance	233	38

Key, pg 13

CHECK REGISTER 1

Name______________________________

Date________________Period__________

On the Check Register below enter the figures and compute the balances.

Check # 101	October 5	Wild West Department Store	$ 16.27	
Check # 102	October 7	Osborne Clothing Store	23.84	
Check # 103	October 9	Laurel Bookstore	5.26	
Check # 104	October 11	Void (No change in Balance)		
Check # 105	October 11	Van Nuys Gift Shop	7.14	
	October 16	Deposit	65.00	(Payday)
Check # 106	October 18	Kagel Corner Supermarket	27.49	
	October 21	Bank Monthly Charge	2.50	

Key, pg 16

Check No.	Date	Check Issued To or Deposit	Amount of Check		Deposit		Balance	
		Balance Forward					176	14
101	10/5	Wild West Dept. Store	16	27			159	87
102	10/7	Osborne Clothing	23	84			136	03
103	10/9	Laurel Bookstore	5	26			130	77
104	10/11	Void						
105	10/11	Van Nuys Gift Shop	7	14			123	63
	10/16				65	00	188	63
106	10/18	Kagel Corner Supmkt	27	49			161	14
	10/21	Service Charge	2	50			158	64

CHECK REGISTER

Name

Date Period

Key, Pg 17

Check No.	Date	Check Issued To or Deposit	Amount of Check		Deposit		Balance	
		Balance Forward					498	65
202	11/3	Pacific Telephone	13	50			485	15
203	11/3	So. Calif. Gas Co.	8	98			476	17
204	11/5	Wheels Ins. Co.	63	49			412	68
	11/6				135	00	547	68
205	11/8	Void						
206	11/8	Debbie Johnson	10	00			537	68
207	11/12	L.A. Dept. W+P.	37	16			500	52
208	11/15	Pacoima City Bank	94	05			406	47
	11/20	Service Charge	2	25			404	22
209	11/21	Cash	20	00			384	22
210	11/27	Sunrise Apts.	165	50			218	72

USING A BANKING VOCABULARY

Name Key Pg 20

Date Period

Write each word in front of its corresponding definition.

Balance, Collateral, Checks, Credit, Contract, Currency, Debit, Deposit, Installment, Income, Interest, Loan, Mortgage, Payee, Principal, Register, Service Charge, Teller, Void, Withdrawal

- -

INTEREST	1.	Money paid for the use of money
CURRENCY	2.	Money in actual use in a country
REGISTER	3.	List; record
PRINCIPAL	4.	Amount of money on which interest is paid
DEBIT	5.	Entry of something owed in an account
INCOME	6.	What comes in from business, labor, etc.
CREDIT	7.	Entry of money paid on an account
WITHDRAWAL	8.	Taking back; removing
MORTGAGE	9.	A claim to one's property in case a debt is not paid when due
BALANCE	10.	The amount remaining after transactions have been made
LOAN	11.	Money supplied which is to be repaid
COLLATERAL	12.	Something pledged as security for a loan
VOID	13.	No longer in effect
CHECKS	14.	Written orders for a bank to pay from an account
TELLER	15.	Bank clerk
INSTALLMENT	16.	Part of a sum of money or debt to be paid at a certain regular time
SERVICE CHARGE	17.	An amount paid to the bank for a transaction
CONTRACT	18.	Agreement
PAYEE	19.	Person or place being paid
DEPOSIT	20.	Put in a place for safekeeping

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TABLE OF CONTENTS - BANKING TESTS

Savings Withdrawal and Deposit Test . . . . TB 1

Checks with Stubs Test . . . . TB 2-3

Check with Register Test . . . . TB 4-6

Answer keys follow the tests.

SAVINGS WITHDRAWAL AND DEPOSIT TEST Name ______________________________

Date ____________________ Period ________

Directions: Use the information below to fill out the savings withdrawal and deposit slips.

Deposit:	Currency	Coins	Checks	
	1 fifty dollar bill	3 half-dollars	A.B.A. No. 11-23	$ 15.37
	3 twenty dollar bills	7 quarters	A.B.A. No. 17-20	$183.49
	6 ten dollar bills	6 dimes		
	13 one dollar bills	11 nickels		
		18 pennies		

Withdrawal:

You want to withdraw $105.36 from your savings account. Your account number is 165-334.

SAVINGS WITHDRAWAL

______________________ DATE

RECEIVED OF *Pacoima City Bank* $______________________

____ DOLLARS

FROM MY SAVING ACCOUNT NUMBER __________-__________

______________________ SIGNATURE

______________________ ADDRESS

SAVINGS DEPOSIT

BRANCH NO. ACCOUNT NO.

NAME

ADDRESS

CITY STATE ZIP

Date New Balance

Sign here for less cash

	DOLLARS	CENTS
CURRENCY		
COINS		
CHECKS (A.B.A. NO.)		
SUB-TOTAL		
LESS CASH		
TOTAL DEPOSIT		

CHECKS WITH STUBS TEST

Name____________________

Date____________ Period______

Directions: Write a check for each of the items below. Record the necessary information on the attached check stub. The balance forward on the first check stub is $423.87.

Check # 46	December 15	Us Toys Store (Xmas gifts)	$ 35.18
	December 16	Deposit	$ 50.00
47	December 18	Atlantic Telephone Co. (phone bill)	$ 25.92
48	December 20	Hi-Rise Apartment (rent)	$215.00

Number________ $________

Date__________ 19____

To________________

For________________

	Dollars	Cents
Bal. Forward		
Amount Deposited		
Total		
Amount This Check		
New Balance		

Number 46

11-23
456

__________ 19____

Pay to the
Order of________________________ $________

______________________________ Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328 ____________________

CHECKS WITH STUBS TEST

TB3

Number________ $________
Date________19____
To________
For________

	Dollars	Cents
Bal. Forward		
Amount Deposited		
Total		
Amount This Check		
New Balance		

Number 47
11-23
456

________19____

Pay to the
Order of________$________
________Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328 ________

Number________ $________
Date________19____
To________
For________

	Dollars	Cents
Bal. Forward		
Amount Deposited		
Total		
Amount This Check		
New Balance		

Number 48
11-23
456

________19____

Pay to the
Order of________$________
________Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328 ________

CHECKS WITH REGISTER TEST

Name________________________________

Date__________________Period_________

Directions: Write a check for each of the items below. Record the necessary information on the check register. The balance forward is $328.91

Check #	101	January 3	Off T.V.	$ 22.63
	102	January 4	Concert Tickets Co.	$ 45.00
	103	January 6	Crash Insurance Co.	$119.25
		January 8	Deposit	$145.00
	104	January 9	Cash	$ 25.00
	105	January 15	Void	
	106	January 15	Small-Four Sporting Store	$ 37.88
		January 18	Monthly Service Charge	$ 2.25

Check No.	Date	Check Issued To or Deposit	Amount of Check		Deposit		Balance	
		Balance Forward						

TB4

CHECKS WITH REGISTER TEST

Number 101
11-23
456
_______19___

Pay to the
Order of ______________________ $________
______________________ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

Number 102
11-23
456
_______19___

Pay to the
Order of ______________________ $________
______________________ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

Number 103
11-23
456
_______19___

Pay to the
Order of ______________________ $________
______________________ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

CHECKS WITH REGISTER TEST

Number 104

11-23
456

__________ 19____

Pay to the
Order of______________________________________ $__________

____ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

Number 105

11-23
456

__________ 19____

Pay to the
Order of______________________________________ $__________

____ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

Number 106

11-23
456

__________ 19____

Pay to the
Order of______________________________________ $__________

____ Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

ANSWER KEYS TO BANKING TESTS

Savings Withdrawal and Deposit Test

See correctly filled out page TB1

Checks with Stubs Test

See correctly filled out pages TB2 and TB3.

Checks with Register Test

See correctly filled out pages TB4, TB5, and TB6.

SAVINGS WITHDRAWAL AND DEPOSIT TEST

Name Key, Pg TB1

Date ________ Period ______

Directions: Use the information below to fill out the savings withdrawal and deposit slips.

Deposit:	Currency	Coins	Checks
	1 fifty dollar bill	3 half-dollars	A.B.A. No. 11-23 $ 15.37
	3 twenty dollar bills	7 quarters	A.B.A. No. 17-20 $183.49
	6 ten dollar bills	6 dimes	
	13 one dollar bills	11 nickels	
		18 pennies	

Withdrawal:

You want to withdraw $105.36 from your savings account. Your account number is 165-334.

SAVINGS WITHDRAWAL

________ DATE

RECEIVED OF *Pacoima City Bank* $ 105.36

ONE HUNDRED FIVE AND 36/100 DOLLARS

FROM MY SAVING ACCOUNT NUMBER 165 - 334

________ SIGNATURE

________ ADDRESS

SAVINGS DEPOSIT

BRANCH NO. ACCOUNT NO.

NAME

ADDRESS

CITY STATE ZIP

Date New Balance

Sign here for less cash

	DOLLARS	CENTS
CURRENCY	183	CC
COINS	4	58
CHECKS (A.B.A. NO.)		
11-23	15	37
17-20	183	49
SUB-TOTAL	386	44
LESS CASH		
TOTAL DEPOSIT	386	44

CHECKS WITH STUBS TEST

Name Key, Pg TB2

Date ________ Period ______

Directions: Write a check for each of the items below. Record the necessary information on the attached check stub. The balance forward on the first check stub is $423.87.

Check # 46	December 15	Us Toys Store (Xmas gifts)	$ 35.18
	December 16	Deposit	$ 50.00
47	December 18	Atlantic Telephone Co. (phone bill)	$ 25.92
48	December 20	Hi-Rise Apartment (rent)	$215.00

Number 46 $ 35.18

Date DEC. 15 19__

To Us Toys Store

For Xmas gifts

	Dollars	Cents
Bal. Forward	423	87
Amount Deposited		
Total	423	87
Amount This Check	35	18
New Balance	388	69

Number 46

11-23
456

DEC. 15 19__

Pay to the Order of Us Toys Store $35.18

THIRTY-FIVE AND 18/100 Dollars

Pacoima City Bank
14349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

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Key, Pg TB3

CHECKS WITH STUBS TEST

Number 47	$ 25.92	
Date Dec. 18	19	
To Atlantic Telephone Co.		
For Phone Bill		
	Dollars	Cents
Bal. Forward	388	69
Amount Deposited	50	00
Total	438	69
Amount This Check	25	92
New Balance	412	77

Number 47
11-23/456

Dec. 18 19

Pay to the Order of Atlantic Telephone Co. $25.92

Twenty-five and 92/100 Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

Number 48	$ 215.00	
Date Dec. 20	19	
To Hi-Rise Apartments		
For Rent		
	Dollars	Cents
Bal. Forward	412	77
Amount Deposited		
Total	412	77
Amount This Check	215	00
New Balance	197	77

Number 48
11-23/456

Dec. 20 19

Pay to the Order of Hi-Rise Apartments $215.00

Two hundred fifteen and no/100 Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

TB9

CHECKS WITH REGISTER TEST

Name Key, Pg TB4

Date ____________ Period ________

Directions: Write a check for each of the items below. Record the necessary information on the check register. The balance forward is $328.91

Check #	101	January 3	Off T.V.	$ 22.63
	102	January 4	Concert Tickets Co.	$ 45.00
	103	January 6	Crash Insurance Co.	$119.25
		January 8	Deposit	$145.00
	104	January 9	Cash	$ 25.00
	105	January 15	Void	
	106	January 15	Small-Four Sporting Store	$ 37.88
		January 18	Monthly Service Charge	$ 2.25

Check No.	Date	Check Issued To or Deposit	Amount of Check		Deposit		Balance	
		Balance Forward					328	91
101	1/3	Off T.V.	22	63			306	28
102	1/4	Concert Tickets Co.	45	00			261	28
103	1/6	Crash Insurance Co.	119	25			142	03
	1/8	Deposit			145	00	287	03
104	1/9	Cash	25	00			262	03
105	1/10	Void					262	03
106	1/15	Small-four Sporting	37	88			224	15
	1/18	Monthly Service charge	2	25			221	90

TB4

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TB10

CHECKS WITH REGISTER TEST

Key, Pg TB5

Number 101
11-21
456
JAN 3 19

Pay to the
Order of OFF T.V. $22.63
TWENTY-TWO AND 63/100 Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331
0456 0023 215 328

Number 102
11-21
456
JAN 4 19

Pay to the
Order of CONCERT TICKETS CO. $45.00
FORTY-FIVE AND NO/100 Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331
0456 0023 215 328

Number 103
11-21
456
JAN 6 19

Pay to the
Order of CRASH INSURANCE CO. $119.25
ONE HUNDRED NINETEEN AND 25/100 Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331
0456 0023 215 328

CHECKS WITH REGISTER TEST

Key, Pg TB6

Number 104
11-21
456
JAN 9 19

Pay to the
Order of CASH $25.00
TWENTY-FIVE AND NO/100 Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331
0456 0023 215 328

Number 105
11-21
456
19

VOID

Pay to the
Order of $
Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331
0456 0023 215 328

Number 106
11-21
456
JAN 15 19

Pay to the
Order of SMALL-FOUR SPORTING GOODS $37.88
THIRTY-SEVEN AND 88/100 Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331
0456 0023 215 328

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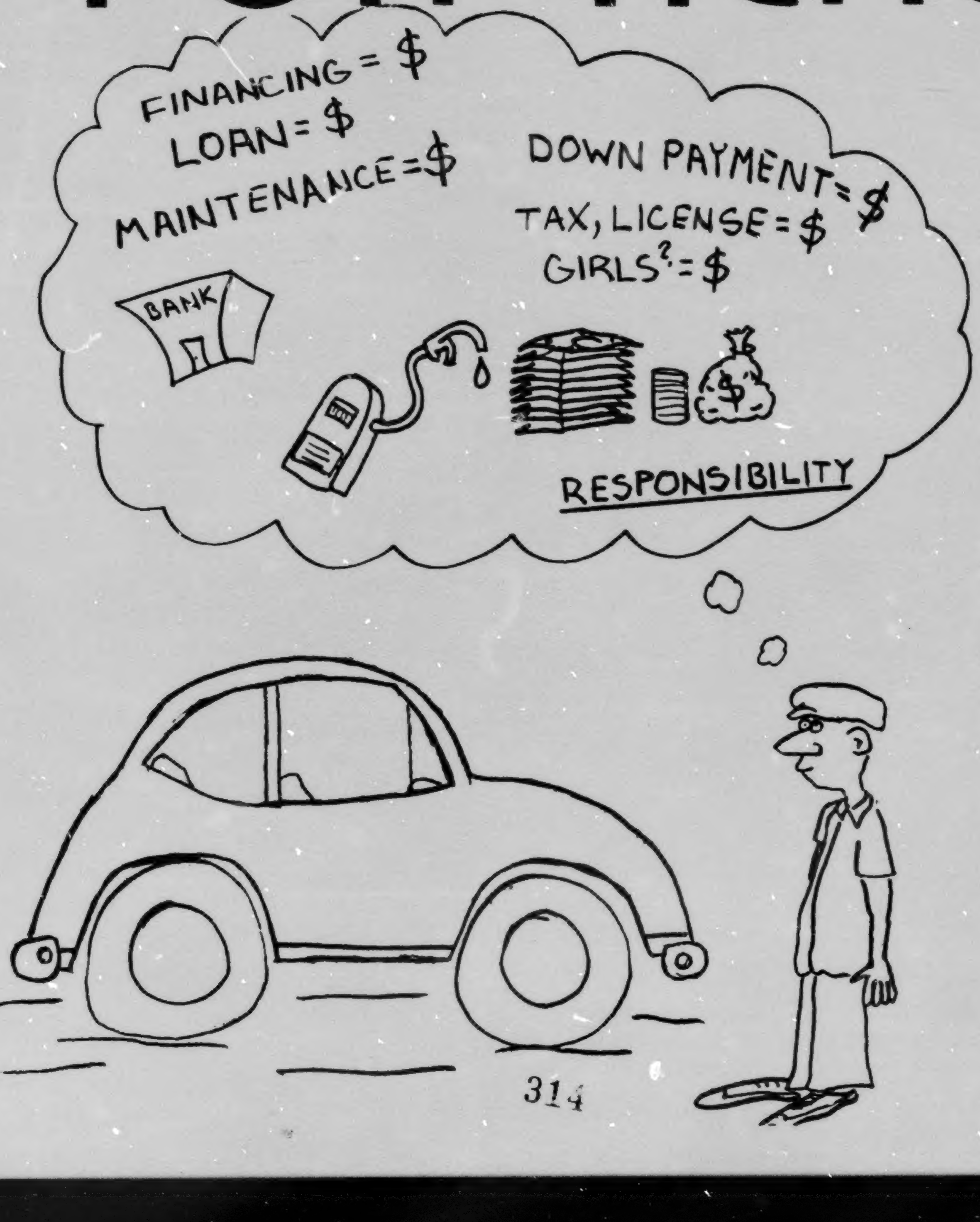
WHEELS FOR REAL


FINANCING = $
LOAN = $
MAINTENANCE = $
DOWN PAYMENT = $
TAX, LICENSE = $
GIRLS? = $
BANK
$
RESPONSIBILITY

WHEELS FOR REAL - *Teacher's Introduction*

Savings accounts are getting bigger and bigger, the income tax refund is on its way, the job is steady, and everyone really needs (and WANTS) a car. Let's buy some wheels and find out what else goes with the thrill of a first car.

The basic assumptions for this unit are that each pupil (a) has a valid driver's license, (b) has completed driver's education and driver's training courses, (c) has maintained a good driving record for two years, and (d) has been covered on his parents' insurance policy as a part-time driver. In addition, we assume that each will be able to get a bank loan after making a down payment. Looking through the classified ads for cars immediately brings up several questions:

> What kind of a car do I want?
> What kind of a car can I afford?
> What do all those abbreviations mean?

A list of standard classified ad abbreviations and worksheets help to answer the last question. To answer the second question the teacher and students look at the student's savings account (and sometimes balance forward). A minimum price is set for each student by multiplying their savings by two. The maximum price is set by multiplying their savings by three. The price range is flexible depending on individual student's salary and attendance. Worksheets on interest rates and installment buying are included in this unit. Adding up the amount needed to cover the selling price, sales tax, license fee, and the interest on a loan adds a sobering touch to buying a car. Filling out a copy of an actual loan application may not be mathematical, but it is a necessary skill.

Equally important is the discussion of automobile insurance. Many national insurance companies have representatives or educational pamphlets to help you in this area. Different kinds of insurance - for example: collision, liability, and fire and theft - and when each kind is necessary are topics for a profitable discussion. Be sure to note the differing rates for males and females.

The real cost of having a car includes much more than purchasing and insuring it. Lessons in this unit include figuring gasoline mileage and investigating the cost of routine maintenance items. Additional lessons cover reading fuel gauges and the odometer.

WHEELS FOR REAL - CHRONOLOGY

	DAY 1	DAY 2	DAY 3	DAY 4	
WEEK 1	Discuss variables of car purchase. Read and interpret the "List of Abbreviations for "Car Buyers". Begin "Car Info" worksheet.	Complete "Car Info" worksheet. Begin "Wheel Ads 1" worksheet. *School*	Complete "Wheel Ads 1" worksheet. Begin "Wheel Ads 2" worksheet. *Week #23*	Complete "Wheel Ads 2" worksheet. Discuss instrument gauges on a car dashboard.	PAYDAY
WEEK 2	Complete "Odometer 1" and "Odometer 2" worksheets.	Complete "Fraction Fuel" worksheet. Begin "Gas Up 1" worksheet. *School*	Complete "Gas Up 1" worksheet. Begin "Gasoline Mileage 1" worksheet. *Week #24*	Complete "Gasoline Mileage 1" worksheet. Begin "Gasoline Mileage 2" worksheet.	PAYDAY
WEEK 3	Complete "Gasoline Mileage 2" worksheet. Begin "Gasoline Mileage 3" worksheet.	Complete "Gasoline Mileage 3" worksheet. *School*	OPEN DAY *Week #25*	Complete "Interest Rates are Interesting?" worksheet.	PAYDAY
WEEK 4	Complete "Car Installment 1" worksheet.	Complete "Car Installment 2" worksheet. *School*	Begin "Car Search" worksheet. *Week #26*	Complete "Car Search" worksheet. Begin "Car Purchase" worksheet.	PAYDAY
WEEK 5	Complete "Car Purchase" worksheet.	OPEN DAY *School*	Complete "Loan Application". Discuss car insurance. *Week #27*	Complete "Car Maintenance and Accessories" worksheet.	PAYDAY

WHEELS FOR REAL - FIRST WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Demonstrate familiarity with standard abbreviations used in classified car ads.
Rewrite a car ad without using any abbreviations.
Define words relating to a car.
Identify common gauges on a car dashboard.

Activities:

Day 1 *Discuss variables of car purchase. Read and interpret the "List of Abbreviations for Car Buyers". Begin "Car Info" worksheet...*

If possible, introduce this lesson with a film or videotape on the history of cars, a car show or related auto information. Discuss the factors involved in choosing a car: appearance, capacity, mileage, performance, resale value, etc. Using an overhead transparency of the "List of Abbreviations for Car Buyers", expose one abbreviation at a time (without its meaning), and have students guess the term. Once the teacher has completed the list of abbreviations, hand out a ditto copy of the list to each student to use in future lessons. Have the class begin the "Car Info" worksheet.

Day 2 *Complete "Car Info" worksheet. Begin "Wheel Ads 1" worksheet...*

There are various means of completing the "Car Info" worksheet: using a class set of dictionaries, using class volunteers, using team work, or having students complete the worksheet individually. Particular attention should be given to rewriting the car ad because this lesson leads directly to the next two days work. Using the list of abbreviations have the students begin "Wheel Ads 1" worksheet.

Day 3 *Complete "Wheel Ads 1" worksheet. Begin "Wheel Ads 2" worksheet...*

The only difference between "Wheel Ads 1" and "Wheel Ads 2" is the format. As the students complete and hand in "Wheel Ads 1" have them begin "Wheel Ads 2".

Day 4 *Complete "Wheel Ads 2" worksheet. Discuss instrument gauges on a car dashboard.*

Using a drawing, mock-up, or picture of a dashboard of a car, have students identify and discuss the various instruments, gauges, switches and paraphernalia on the dashboard. This discussion will help prepare the students for next weeks' lessons.

Materials: *Ditto copies of:*

"List of Abbreviations for the Car Buyers"
"Car Info" worksheets
"Wheel Ads 1" worksheets
"Wheel Ads 2" worksheet

Overhead transparencies of:

"List of Abbreviations for the Car Buyers"

Class set of dictionaries (optional)
Mock-up or picture of a car dashboard (optional)
Film or videotape on the history of cars (optional)

LIST OF ABBREVIATIONS FOR CAR BUYERS

a/c	air conditioning
aft	after
am-fm	am-fm radio
AMC	American Motors Corporation
asap	as soon as possible
auto	automatic
auto trns	automatic transmission
bckts	bucket seats
best ofr	best offer takes
BMW	Bavarian Motor Works
Cad	Cadillac
Cam	Camaro
cass	cassette
Chev	Chevrolet
cln	clean
cond	condition
conv	convertible
cpe	coupe
cust	customized
cyl	cylinder
D *or* DSL	diesel
Dat	Datsun
dlr	dealer
dlx	deluxe
Dod	Dodge
eng	engine
eves	evenings
ext	exterior
FB	Firebird
fact air	factory air conditioning
fuel inj	fuel injection
fin avail	financing available
4 dr	4 door
4 spd	4 speed
4 whl dr	4 wheel drive
f-pwr	full power
hb *or* h/b	hatchback
Hon	Honda
immac	immaculate
Linc	Lincoln
lo dn	low down payment
lo mi	low mileage
low pmts	low payments
lthr int	leather interior
mags	mag wheels
Merc	Mercury
mint	mint condition
mpg	miles per gallon
Must	Mustang
nr nu	nearly new
nu pnt	new paint
nu trs	new transmission
obo	or best offer
Olds	Oldsmobile
Ply	Plymouth
Pont	Pontiac
Por	Porsche
p/p *or* p/pty	private party
ps/pb	power steering and brakes
p/strg	power steering
p/u	pick up
p/w	power windows
pwr str & bks	power steering and brakes
reblt eng/trans	rebuilt engine/transmission
r & h	radio and heater
sac	sacrifice
sdn	sedan
$7k	seven thousand dollars
ster	stereo
stk	stick
sunrf	sunroof
T-bird	Thunderbird
tilt whl	tilt steering wheel
Toy	Toyota
12M mi	twelve thousand miles
Vet	Corvette
VW	Volkswagen
w/	with
warr *or* wrnty	warranty
wgn	wagon
wide trxs	wide track tires
wknds	weekends
w/w	white wall tires
xlnt cd	excellent condition
xtras	extras

CAR INFO

Name____________________________

Date______________ Period__________

Directions: Choose the word from below that best fits each definition and fill in the blank.

automatic
manual
make
dealer
warranty
cylinder
sedan
custom
terms
insurance
transmission
model
interior
private party
odometer

______________ 1. the part of an automobile that transmits power from the engine to the rear axle

______________ 2. merchant who buys and sells

______________ 3. a closed automobile seating 4 or more persons

______________ 4. inside

______________ 5. financial protection in case of an accident

______________ 6. the piston chamber of an engine

______________ 7. plan; design; style

______________ 8. made-to-order

______________ 9. instrument used to measure distance

______________10. individual who sells his own car

______________11. moving or acting by itself

______________12. conditions

______________13. written agreement covering repairs/maintenance

______________14. company name

______________15. done with the hands

W6

CAR INFO

Direction: Write the meaning of each abbreviation.

1. asap____________________
2. K____________________
3. nu trs____________________
4. r & h____________________
5. lo mi____________________
6. xlnt cd____________________
7. a/c____________________
8. Chev____________________
9. VW____________________
10. obo____________________
11. M____________________
12. w/____________________
13. auto____________________
14. wknds____________________
15. w/w____________________
16. Toy____________________

Rewrite the car advertisement below without using any abbreviations.

Chev '77 Impala, a/c, am-fm, cass,
auto, ps/pb, 47M mi, nu pnt, p/p,
$3K obo (237LUV) 213/527-8156

Car Make________________ Car Model________________ Year__________

Price____________ Telephone____________ License Number____________

____

____

____

____

____

WHEEL ADS 1

Name ______________________________

Date ____________________ Period ________

For each car advertisement below, rewrite the ad without using any abbreviations (refer to "List of Abbreviations for Car Buyers").

1.

VW '77 Bug, lo mi, am-fm, sunrf,
nu trs, cln, p/pty, eves aft 6,
$6950
(88IVEE) 213/222-1234

Car Make ____________________ Car Model ____________________ Year ______________

Price ________________ Telephone ________________ License Number ______________

____

____

____

____

____

2.

CHEV '71 Impala, cust, conv,
nu pnt, a/c, immac, w/w, ps/pb,
75M mi, bckts, p/p,
$1095 obo
(083CFE) 714/212-9237

Car Make ____________________ Car Model ____________________ Year ______________

Price ________________ Telephone ________________ License Number ______________

____

____

____

____

____

WHEEL ADS 1

3.

OLDS '80 Cutlass DSL, loaded, mint,
auto, 4 dr, lthr int, ps/pb, fact
air, wide trxs, xlnt cd, 31M mi,
p/pty, $6K
(NRF-246) 805/785-7878

Car Make__________ Car Model__________ Year__________

Price__________ Telephone__________ License Number__________

4.

DAT '79 510 wgn, 4 spd, a/c, am-fm,
38M mi, mags, xlnt cd, fuel inj,
r & h, xtras, p/pty, $4595
(NUSTAD) 213/898-1111

Car Make__________ Car Model__________ Year__________

Price__________ Telephone__________ License Number__________

WHEEL ADS 2

Name______________________________

Date__________________Period_______

Complete the information below using the three car advertisements. Do not use abbreviations in your answer.

	Chev. Chevette '80 h/t, 2 dr, auto, a/c, 4 cyl, r&h, 25M mi, 25 mpg, $3995 obo, p/p, wknds 213/362-3284 (610HHV)	Buick '81 Riviera conv, immac, ps/pb, ster cass, auto, lo mi, lthr int, bckts, $12K, p/pty 714/885-2113 (784XIW)	Toy '80 p/u, 4 whl dr, 5 spd, stk, cust int/pnt, mags, am-fm ster, tilt whl, air, sunrf, shell, $6595, p/p, eves aft 5, 313/891-4552 (1B10703)
Make			
Model			
Year			
Price			
Telephone			
License Number			
Mileage			
Transmission			
Special features			

WHEELS FOR REAL - SECOND WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Read an odometer and gas gauge.
Write a number in words using the correct place value.
Subtract decimals numbers.
Compute distance traveled using beginning and ending odometer readings.
Compute averages.
Identify common fractions.
Reduce common fractions.
Compute gas mileage.

Activities:

Day 1 *Complete "Odometer 1" and "Odometer 2" worksheets.*

Review place value with students before beginning the "Odometer 1" worksheet. Lead the students through the first few problems. Review subtraction of decimals with students before beginning the "Odometer 2" worksheet. Again lead the students through the first few problems.

Day 2 *Complete "Fraction Fuel" worksheet. Begin "Gas Up 1" worksheet...*

Review identification of common fractions by leading the students through the first few problems of the "Fraction Fuel" worksheet. Additional worksheets on fraction identification (shaded diagrams) would be useful at this time. Review reducing fractions by leading students through the first few problems of the Gas Up 1" worksheet. An additional worksheet on reducing fractions could accompany this worksheet.

Day 3 *Complete "Gas Up 1" worksheet. Begin "Gasoline Mileage 1" worksheet...*

Lead the class in a discussion of the various aspects of miles per gallon; emphasize city verses highway driving, speed limits, driving habits, pulling extra weight, etc. Hand out "Gasoline Mileage 1" worksheet. Discuss the five steps on computing mpg. Lead the students through the examples and the first few problems.

Day 4 *Complete "Gasoline Mileage 1" worksheet. Begin "Gasoline Mileage 2" worksheet...*

"Gasoline Mileage 2" is similar to "Gasoline Mileage 1" with one exception, the divisor is a decimal number. Review division of decimals before the class begins the "Gasoline Mileage 2" worksheet. Lead the class through the example and the first few problems.

MATERIALS: *Ditto copies of:*

"Odometer 1" worksheet
"Odometer 2" worksheet
"Fraction Fuel" worksheet
"Gas Up 1" worksheet
"Gasoline Mileage 1" worksheets
"Gasoline Mileage 2" worksheet

ODOMETER 1

Name______________________________

Date________________Period_________

The odometer shows how many miles a car has traveled.

Tenths

3 4 2 0 5 8

This odometer reads thirty-four thousand, two hundred five and eight-tenths miles.

Write in words the number of miles shown on each odometer.

1. 2 3 7 4 0 9 ____ miles

2. 8 0 4 0 1 3 ____ miles

3. 0 1 2 4 7 0 ____ miles

4. 5 4 0 0 1 4 ____ miles

5. 1 7 7 1 3 8 ____ miles

6. 0 9 9 0 9 1 ____ miles

7. 1 0 0 5 7 2 ____ miles

8. 4 6 0 2 5 0 ____ miles

9. 7 3 2 0 3 6 ____ miles

10. 9 2 5 6 8 3 ____ miles

ODOMETER 2

Name______________________________

Date________________Period________

These are the odometer readings for one year, recorded at the beginning and end of each month. To find the distance traveled each month subtract the beginning reading from the end reading. Remember the last digit of the odometer reading is the tenths position.

MONTH	ODOMETER READING													DISTANCE TRAVELED
	BEGINNING							ENDING						
January	0	4	1	3	6	7		0	4	9	0	8	3	miles
February	0	4	9	0	8	3		0	6	0	1	3	8	miles
March	0	6	0	1	3	8		0	7	1	5	9	6	miles
April	0	7	1	5	9	6		0	8	2	4	3	0	miles
May	0	8	2	4	3	0		0	9	1	7	5	5	miles
June	0	9	1	7	5	5		1	0	3	1	8	9	miles
July	1	0	3	1	8	9		1	1	8	0	1	4	miles
August	1	1	8	0	1	4		1	3	4	6	7	1	miles
September	1	3	4	6	7	1		1	4	3	8	9	2	miles
October	1	4	3	8	9	2		1	5	2	3	6	7	miles
November	1	5	2	3	6	7		1	6	0	4	3	8	miles
December	1	6	0	4	3	8		1	7	4	6	9	9	miles

Yearly total ________ miles

Monthly average ________ miles

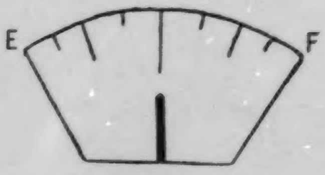
FRACTION FUEL

Name_______________________________

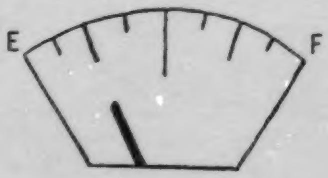
Date_______________Period__________

Read each gas gauge. Circle the fraction which indicates how full the tank is.

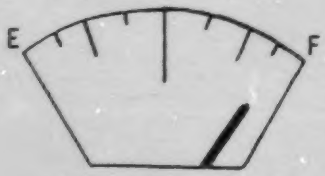
1.



$\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{2}$

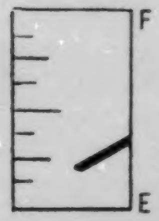


$\frac{1}{4}$ $\frac{1}{2}$ $\frac{1}{8}$

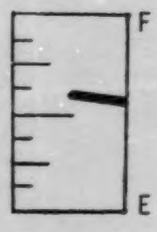


$\frac{6}{4}$ $\frac{7}{8}$ $\frac{3}{4}$

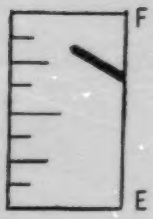
2.



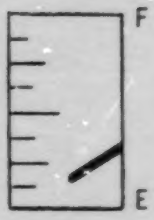
$\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{2}$



$\frac{1}{2}$ $\frac{5}{8}$ $\frac{2}{3}$



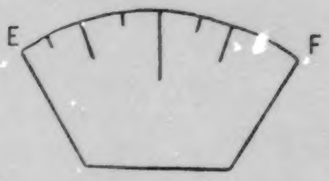
$\frac{0}{8}$ $\frac{4}{4}$ $\frac{3}{4}$



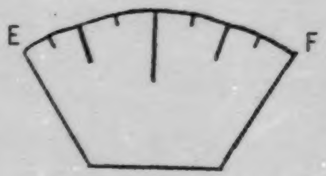
$\frac{0}{4}$ $\frac{1}{3}$ $\frac{1}{8}$

The fraction below each gas gauge tells you how full the tank is. Draw an arrow to show the placement of the gauge.

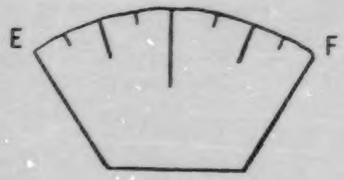
3.



$\frac{1}{4}$

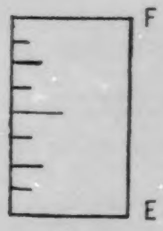


$\frac{1}{2}$

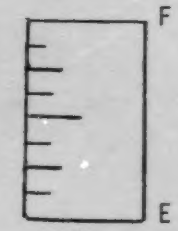


$\frac{4}{4}$

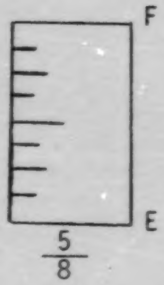
4.



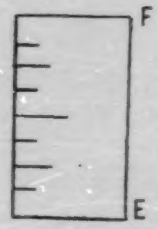
$\frac{3}{4}$



$\frac{1}{8}$



$\frac{5}{8}$



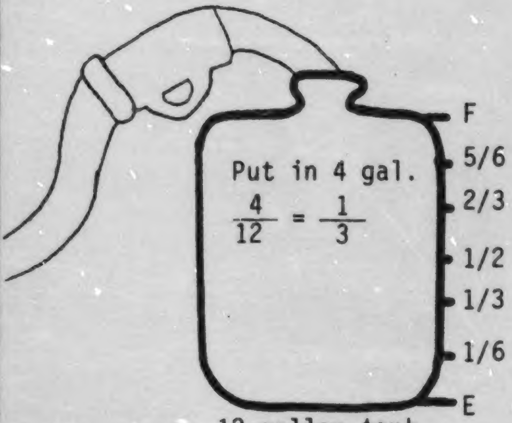
$\frac{3}{8}$

GAS UP 1

Name ______________________________

Date ______________ Period ________

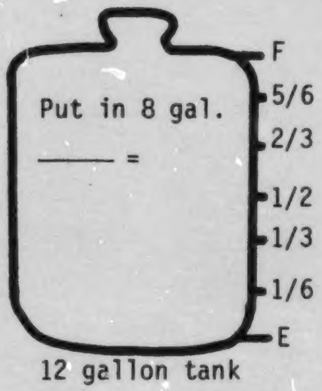
Directions: Reduce the fraction to lowest terms. Shade in the tank to show new gasoline level. (Note: for this exercise start with an empty tank)


Put in 4 gal.

$\frac{4}{12} = \frac{1}{3}$

F
5/6
2/3
1/2
1/3
1/6
E

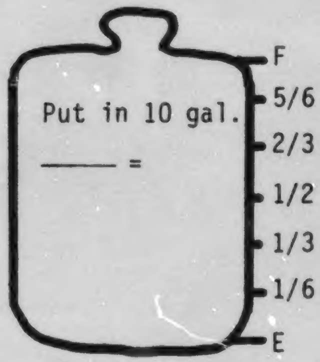
12 gallon tank


Put in 8 gal.

_____ =

F
5/6
2/3
1/2
1/3
1/6
E

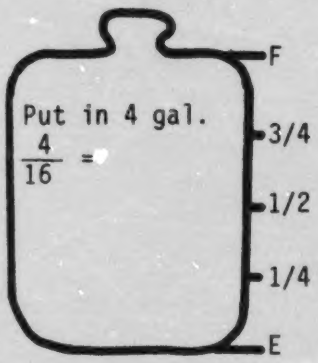
12 gallon tank


Put in 10 gal.

_____ =

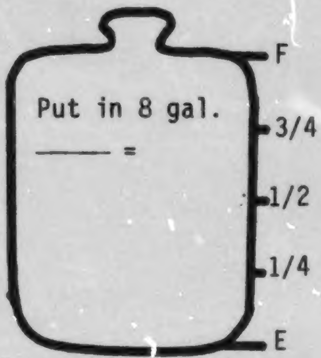
F
5/6
2/3
1/2
1/3
1/6
E

12 gallon tank


Put in 4 gal.

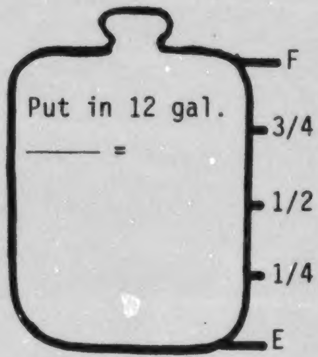
$\frac{4}{16} =$

16 gallon tank


Put in 8 gal.

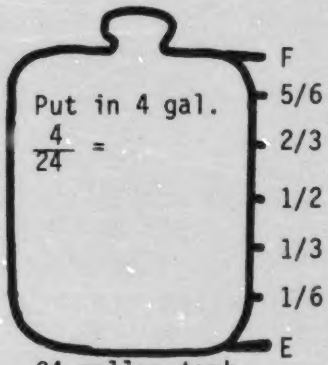
_____ =

16 gallon tank


Put in 12 gal.

_____ =

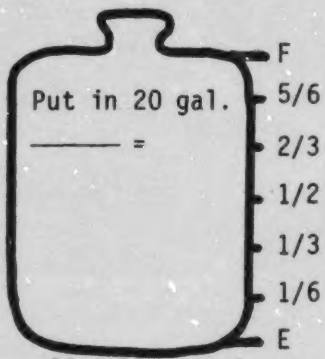
16 gallon tank


Put in 4 gal.

$\frac{4}{24} =$

F
5/6
2/3
1/2
1/3
1/6
E

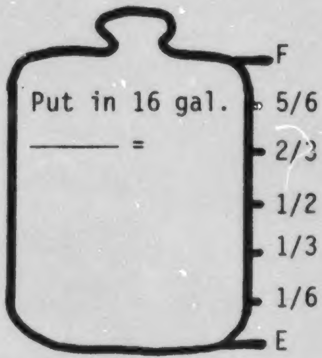
24 gallon tank


Put in 20 gal.

_____ =

F
5/6
2/3
1/2
1/3
1/6
E

24 gallon tank


Put in 16 gal.

_____ =

F
5/6
2/3
1/2
1/3
1/6
E

24 gallon tank

GASOLINE MILEAGE 1

Name______________________________

Date________________ Period________

Do you want to know how many miles per gallon your car gets? Follow these steps and you will find out.

1. Fill up your tank and write down your first odometer reading. Remember the last digit on the odometer is the tenths position. (Tank must be really full each time).
2. Drive your car a couple of days without putting in more gas. (Make sure you don't run out of gas!).
3. Now fill your tank again. Write down the number of gallons it takes. Also write down the second odometer reading.
4. Subtract the first odometer reading from the second. This will show you how many miles you have driven.
5. Divide the number of miles you have driven by the number of gallons of gas you have purchased.

Here is an example:

First odometer reading	1	7	6	2	5	0	You bought 15 gallons of gas.
Second odometer reading	1	7	8	0	5	0	

Subtract

17,805.0
-17,625.0
180.0 miles = 180 miles

Divide

12 miles per gallon
15) 180
15
30
30

Do this example:

First odometer reading	2	6	8	6	8	7	You bought 14 gallons of gas
Second odometer reading	2	7	3	1	6	7	

Subtract

Divide

GASOLINE MILEAGE 1

Now complete the chart below. Do the arithmetic neatly on your own paper because you should hand it in with this page.

Odometer reading at start	Odometer reading at end	Miles traveled	Gallons of gas	Gasoline mileage
55,000.0	55,168.0	________	14	________mpg
9,520.0	9,664.0	________	12	________mpg
25,540.9	25,680.9	________	10	________mpg
0.0	153.0	________	9	________mpg
36,638.3	37,118.3	________	16	________mpg
425.4	546.4	________	11	________mpg
17,225.8	17,433.8	________	13	________mpg
7,915.4	8,170.4	________	15	________mpg
11,719.2	11,975.2	________	8	________mpg
46,683.7	46,923.7	________	16	________mpg
32,759.9	33,207.9	________	16	________mpg
23,879.5	24,201.5	________	14	________mpg
29,818.0	30,169.0	________	13	________mpg
24,681.5	24,933.5	________	12	________mpg
31,415.6	31,681.6	________	14	________mpg

GASOLINE MILEAGE 2

Name________________________________

Date________________Period________

Many times the miles traveled and the number of gallons purchased do not come out to be whole numbers. Remember to move the decimal points to their final position before dividing.

Here is an example:

First odometer reading	2	1	2	3	6	4	You bought 9.4 gallons of gas
Second odometer reading	2	1	3	9	6	2	

Subtract

$$\begin{array}{r} 21{,}396.2 \\ -21{,}236.4 \\ \hline 159.8 \end{array}$$

Divide

$$\begin{array}{rl} & 17 \text{ miles per gallon} \\ 9.4 & \!\big)\overline{159.8} \\ & \underline{94} \\ & 658 \\ & \underline{658} \end{array}$$

Now complete the chart below. Do the arithmetic neatly on your own paper because you should hand it in with this page.

Odometer reading at start	Odometer reading at end	Miles traveled	Gallons of gas	Gasoline mileage
16,423.7	16,556.5	________	8.3	________mpg
23,917.4	24,087.6	________	7.4	________mpg
17,425.3	17,806.1	________	13.6	________mpg
9,841.5	10,016.1	________	9.7	________mpg
34,172.8	34,368.3	________	11.5	________mpg
19,241.7	19,408.1	________	12.8	________mpg
7,897.6	8,054.4	________	4.9	________mpg
16,231.4	16,349.2	________	6.2	________mpg
27,623.2	27,985.6	________	15.1	________mpg
13,581.9	13,817.3	________	10.7	________mpg

WHEELS FOR REAL - THIRD WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Divide decimal numbers.
Round off to the nearest whole number.
Multiply decimals.
Recognize that the amount of interest depends on the rate of interest.

Activities:

Day 1 *Complete "Gasoline Mileage 2" worksheet. Begin Gasoline Mileage 3" worksheet...*

Review rounding off to the nearest whole number. Lead the class through the example and the first few problems on the "Gasoline Mileage 3" worksheet.

Day 2 *Complete "Gasoline Mileage 3" worksheet.*

Use this day to complete any unfinished worksheets. Tell the students to bring in the classified ads section of their local newspaper. Entice them by offering a bonus under miscellaneous on this Friday's payday. These newspaper ads will be used next week for the "Car Search" worksheet. Save the apartments ads for the "Apartment Search" worksheet in the "First Place" unit.

Day 3 *Open Day*

Day 4 *Complete "Interest Rates are Interesting?" worksheet.*

This worksheet illustrates four different loans computed at three different interest rates. The objective of this worksheet is to show the students that the amount of interest increases as the rate of interest increases. Lead the students through one loan amount at all three interest rates to demonstrate the objective.

MATERIALS: *Ditto copies of:*

"Gasoline Mileage 3" worksheet
"Interest Rates are Interesting?" worksheet

GASOLINE MILEAGE 3

Name______________________________

Date________________ Period__________

Gasoline mileage (mpg) is usually computed to the nearest whole number. Compute your answer to the tenths position and round off to the nearest whole number. Remember to move the decimal points to their final position before dividing and annex (add) zeroes if necessary.

Here is an example:

First odometer reading	1	2	9	8	7	**3**	You bought 8.6 gallons of gas
Second odometer reading	1	3	1	5	2	**5**	

Subtract

```
  13,152.5
 -12,987.3
     165.2 miles
```

Divide

```
            1  9. 2    19 miles per
8. 6) 1  6  5. 2. 0    gallon
         8  6
      7  9  2
      7  7  4
         1  8  0
         1  7  2
               8
```

Now complete the chart below. Do the arithmetic neatly on your own paper because you should hand it in with this page.

Odometer reading at start	Odometer reading at end	Miles traveled	Gallons of gas	Gasoline mileage
31,627.2	31,838.3	________	9.1	________mpg
16,921.8	17,130.1	________	11.7	________mpg
19,746.3	20,033.6	________	15.2	________mpg
8,261.0	8,608.1	________	13.3	________mpg
10,802.4	10,923.0	________	8.6	________mpg
43,872.5	44,076.3	________	10.4	________mpg
27,592.7	27,944.2	________	16.5	________mpg
2,381.4	2,631.3	________	8.8	________mpg
9,896.8	10,153.6	________	7.9	________mpg
14,217.8	14,418.8	________	12.0	________mpg

INTEREST RATES ARE INTERESTING?

Name______________________________

Date_______________Period________

Directions: Multiply the monthly payments times the number of months to get the total of payments. Then subtract the amount of the loan from the total of the payments to get the amount of interest.

Interest Rate 12%

Amount of Loan	Number of Months	Monthly Payments	Total of Payments	Amount of Interest
$1500	24	$ 77.50		
$2500	24	$129.17		
$3500	36	$132.22		
$4500	36	$170.00		

Interest Rate 15%

Amount of Loan	Number of Months	Monthly Payments	Total of Payments	Amount of Interest
$1500	24	$ 81.25		
$2500	24	$135.42		
$3500	36	$140.97		
$4500	36	$181.25		

Interest Rate 18%

Amount of Loan	Number of Months	Monthly Payments	Total of Payments	Amount of Interest
$1500	24	$ 85.00		
$2500	24	$141.67		
$3500	36	$149.72		
$4500	36	$192.50		

WHEELS FOR REAL - FOURTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Compute sales tax at a given rate.
Compute license fees.
Compute down payments.
Compute interest on a loan.
Compute monthly payments.
Select a car using a newspaper.

Activities:

Day 1 *Complete "Car Installment 1" worksheet.*

Using an overhead transparency of the "Car Installment 1" worksheet, discuss the introduction before leading the class through the first problem. It would be a good idea to insist the students do each step with you and not work ahead. Emphasize all the math skills involved in each step.

Day 2 *Complete "Car Installment 2" worksheet.*

Using an overhead transparency of the "Car Installment 2" worksheet, lead the students through the first two years of financing. Since simple interest is used on this worksheet, record the amount of interest twice for 2 years and three times for 3 years. Again care should be taken to see that students are following along accurately.

Day 3 *Begin "Car Search" worksheet...*

Decide upon a price range for each student. It is recommended to use a minimum of twice the student's savings and a maximum of three times their savings. Have the students select and cut out newspaper ads for cars of their choice and attach to the "Car Search" worksheet. Two successful ways of selecting a car are: (1) search for any car within price range, (2) search for pre-selected make and model.

Day 4 *Complete "Car Search" worksheet. Begin "Car Purchase" worksheet...*

As the students complete the "Car Search" worksheet, the teacher should approve the students choice of a car. Make sure the price of the car is within the range set for the student. Using the student's final choice, begin the "Car Purchase" worksheet. This is an individual assignment, but the teacher should assign current percentage rates for sales tax, down payment and interest. Have the student complete the left side of the worksheet and have it approved before computing the financing. Once it has been approved, have the students deduct the down payment from their savings account.

MATERIALS: *Ditto copies of:*

"Car Installment 1" worksheet
"Car Installment 2" worksheet
"Car Search" worksheets
"Car Purchase" worksheet

Overhead transparencies of:

"Car Installment 1" worksheet
"Car Installment 2" worksheet

Classified ads from local newspaper
Tape or glue
Scissors

CAR INSTALLMENT 1

Name ____________________

Date ____________ Period ________

Many customers purchase a car using installments (monthly payments). Unlike buying items where stores finance the balance, most car loans are financed through a bank or credit union. Banks usually require a 10% down payment for new cars or 20% down payment for used cars. In California, the license fee is two percent of the value (selling price) of the car. Compute the amount needed to finance each of the following cars and the amount of interest for one year. Remember to round off each answer to the nearest cent.

(1). Toyota, used car

Selling price	$3995.00
6% sales tax	
2% license fee	+
Total purchase price	
20% down payment	-
Need to finance	
18% interest per year	

(2). Ford, used car

Selling price	$3367.00
6% sales tax	
2% license fee	+
Total purchase price	
20% down payment	-
Need to finance	
19% interest per year	

(3). Chevrolet, new car

Selling price	$6723.00
6% sales tax	
2% license fee	+
Total purchase price	
10% down payment	-
Need to finance	
18% interest per year	

(4). Volkswagen, new car

Selling price	$7488.00
6% sales tax	
2% license fee	+
Total purchase price	
10% down payment	-
Need to finance	
21% interest per year	

CAR INSTALLMENT 2

Name

Date Period

Compute the amount needed to be financed and the interest per year for the following cars. Compute the payments by dividing by 12 for 1 year, 24 for 2 years, and 36 for 3 years. Remember to round off each answer to the nearest cent.

CHEVROLET, used car		HONDA, new car	
Selling price	$3575.00	Selling price	$6284.00
6% sales tax		6% sales tax	
2% license fee	+	2% license fee	+
Total purchase price		Total purchase price	
20% down payment	-	10% down payment	-
Need to finance		Need to finance	
19% interest per year		18% interest per year	
FINANCING: 1 year		FINANCING: 1 year	
Need to finance	$	Need to finance	$
One year interest	+	One year interest	+
Total to be repaid		Total to be repaid	
Monthly payment		Monthly payment	
FINANCING: 2 years		FINANCING: 2 years	
Need to finance	$	Need to finance	$
First year interest		First year interest	
Second year interest	+	Second year interest	+
Total to be repaid		Total to be repaid	
Monthly payment		Monthly payment	
FINANCING: 3 years		FINANCING: 3 years	
Need to finance	$	Need to finance	$
First year interest		First year interest	
Second year interest		Second year interest	
Third year interest	+	Third year interest	+
Total to be repaid		Total to be repaid	
Monthly payment		Monthly payment	

CAR SEARCH

Name______________________________

Date________________Period________

Search the car ads for four cars you feel you would like to own. Cut out the ads and tape (or paste) them in one of the boxes below. For each car advertisement rewrite the ad without using any abbreviations (refer to the "List of Abbreviations for Car Buyers"). Each ad should be listed by a private party.

1.

Car Make________________Car Model________________Year__________

Price______________Telephone______________License Number__________

____

____

____

____

____

2.

Car Make________________Car Model________________Year__________

Price______________Telephone______________License Number__________

____

____

____

____

____

CAR SEARCH

3.

Car Make__________________ Car Model__________________ Year_______________

Price________________ Telephone________________ License Number___________

4.

Car Make__________________ Car Model__________________ Year_______________

Price________________ Telephone________________ License Number___________

5. Final Choice, car #______. Why did you choose this car?______________

CAR PURCHASE

Name______________________________

Date________________Period_______

DESCRIPTION OF CAR

Make__________________________

Model_________________________

Year__________________________

Selling price_________________

Color_________________________

Options_______________________

____

This car gets approximately

_________mpg.

BASIC COST

Selling price $_________

____% sales tax _________

2% license fee +_________

Total purchase price _________

____% down payment -_________

Need to finance _________

____% interest per year _________

FINANCING: 1 year

Need to finance $_________

One year interest +_________

Total to be repaid _________

Monthly payment _________

FINANCING: 2 years

Need to finance $_________

First year interest _________

Second year interest +_________

Total to be repaid _________

Monthly payment _________

FINANCING: 3 years

Need to finance $_________

First year interest _________

Second year interest _________

Third year interest +_________

Total to be repaid _________

Monthly payment _________

WHEELS FOR REAL - FIFTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Complete a loan application.
Recognize the legality and benefits of car insurance.
Use a catalog to order car parts and accessories.

Activities:

Day 1 *Complete "Car Purchase" worksheet.*

Once the teacher has okayed the left side of the "Car Purchase" worksheet, have the student compute the monthly payment for one year. The teacher should okay the monthly payment before the student completes the remainder of the worksheet. When the "Car Purchase" worksheet is complete, the teacher and the student decide on the length of financing best suited for that student. This worksheet must be saved to be used for the "Loan Application" and future paydays.

Day 2 *Open Day*

Day 3 *Complete "Loan Application". Discuss car insurance.*

Obtain permission to use a loan application of a local bank or use the application provided. Using an overhead transparency, guide the students through the loan application. The top line of the application provided uses the information from the "Car Purchase" worksheet. Car insurance can be a one day or longer lesson depending on how deep a discussion is included. Topics for discussion could include: monthly payments (boys rate, girls rate), legality, accident benefits, comparison shopping and how the amounts is computed (driving record, area, age, sex etc.) The teacher has to assign a typical amount for a boy and a girl. Your local insurance agent will be glad to cooperate.

Day 4 *Complete "Car Maintenance and Accessories" worksheet.*

Using a class set of catalogs have students locate the items and list the information needed on the worksheet. This worksheet contains excellent items to be used as miscellaneous entries on future paydays.

Materials: *Ditto copies of:*

Local bank loan application or application provided
"Car Maintenance and Accessories" worksheet

Overhead transparencies of:

Local bank loan application or application provided

Class set of catalogs

LOAN APPLICATION

I wish to apply for a loan of $____________for__________months

The purpose of this loan is____

Applicant's full name			Age
Home Address (including city, zip)			How Long?
Date of Birth	Phone No.	Social Security No. - -	Drivers License No.
Marital Status ☐ Single ☐ Widowed ☐ Married ☐ Divorced	No. of Dependents	Years of Education ☐ Under 12 ☐ 13-15 ☐ 12 ☐ 16 or over	
Employer's Name and Address			
Present Position		How Long?	Salary per Month
Previous Employer's Name and Address			
Name and Address of Nearest Relative NOT living with you			Relationship
Residence ☐ Own ☐ Rent	Name of Lender/Landlords and Address		Monthly Payments
Name of Your Bank		Branch	
Checking Acc. No		Savings Acc. No.	

CREDIT REFERENCES

Name and Addresses	Account Number	Balance Owing	Monthly Payments

Applicant's Signature   Date

CAR MAINTENANCE AND ACCESSORIES

Name______________________________

Date________________Period________

Catalog used ____________________

Car Make__________________Car Model__________________Year________

Order the following items for your car.

Catalog No.		Page No.	Type	Price
	tire/s			
	set of floor mats or rugs			
	seat covering			
	battery (jumper) cables			
	set of spark plugs			
	air filter			
	oil filter			
	case of oil			
	windshield wiper blades (refills)			
	battery			
	set of shock absorbers (front or rear)			
	radio/speakers			

CAR INFO

Name Key, Pg W6

Date________ Period______

Directions: Choose the word from below that best fits each definition and fill in the blank.

automatic
manual
make

dealer
warranty
cylinder

sedan
custom
terms

insurance
transmission
model

interior
private party
odometer

TRANSMISSION 1. the part of an automobile that transmits power from the engine to the rear axle

DEALER 2. merchant who buys and sells

SEDAN 3. a closed automobile seating 4 or more persons

INTERIOR 4. inside

INSURANCE 5. financial protection in case of an accident

CYLINDER 6. the piston chamber of an engine

MODEL 7. plan; design; style

CUSTOM 8. made-to-order

ODOMETER 9. instrument used to measure distance

PRIVATE PARTY 10. individual who sells his own car

AUTOMATIC 11. moving or acting by itself

TERMS 12. conditions

WARRANTY 13. written agreement covering repairs/maintenance

MAKE 14. company name

MANUAL 15. done with the hands

W6

W33

CAR INFO

Key, Pg W7

Direction: Write the meaning of each abbreviation.

1. asap AS SOON AS POSSIBLE
2. K THOUSAND
3. nu trs NEW TRANSMISSION
4. r & h RADIO AND HEATER
5. lo mi LOW MILEAGE
6. xlnt cd EXCELLENT CONDITION
7. a/c AIR CONDITIONING
8. Chev CHEVROLET
9. VW VOLKSWAGEN
10. obo OR BEST OFFER
11. M THOUSAND
12. w/ WITH
13. auto AUTOMATIC
14. wknds WEEKENDS
15. w/w WHITE WALL TIRES
16. Toy TOYOTA

Rewrite the car advertisement below without using any abbreviations.

Chev '77 Impala, a/c, am-fm, cass, auto, ps/pb, 47M mi, nu pnt, p/p, $3K obo (237LUV) 213/527-8156

Car Make CHEVROLET Car Model IMPALA Year 1977

Price $3000.00 Telephone 213/527-8156 License Number 237 LUV

CHEVROLET 1977 IMPALA, AIR CONDITIONING, AM-FM RADIO, CASSETTE, AUTOMATIC, POWER STEERING AND BRAKES, FORTY-SEVEN THOUSAND MILES, NEW PAINT, PRIVATE PARTY, THREE THOUSAND DOLLARS OR BEST OFFER

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W7

W34

WHEEL ADS 1

Name Key, Pg W8

Date ______ Period ______

For each car advertisement below, rewrite the ad without using any abbreviations (refer to "List of Abbreviations for Car Buyers").

1.

VW '77 Bug, lo mi, am-fm, sunrf,
nu trs, cln, p/pty, eves aft 6,
$6950
(881VEE) 213/222-1234

Car Make VOLKSWAGEN Car Model BUG Year 1977

Price $6950.00 Telephone 213/222-1234 License Number 881VEE

VOLKSWAGEN 1977 BUG, LOW MILEAGE, AM-FM RADIO, SUNROOF, NEW TRANSMISSION, CLEAN, PRIVATE PARTY, EVENINGS AFTER SIX

2.

CHEV '71 Impala, cust, conv,
nu pnt, a/c, immac, w/w, ps/pb,
75M mi, bckts, p/p,
$1095 obo
(083CFE) 714/212-9237

Car Make CHEVROLET Car Model IMPALA Year 1971

Price $1095.00 Telephone 714/212-9237 License Number 083CFE

CHEVROLET 1971 IMPALA, CUSTOMIZED, CONVERTIBLE, NEW PAINT, AIR CONDITIONING, IMMACULATE, WHITE WALL TIRES, POWER STEERING AND BRAKES, SEVENTY-FIVE THOUSAND MILES, BUCKET SEATS, PRIVATE PARTY, $1095 OR BEST OFFER

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WHEEL ADS 1

Key, Pg W9

3.

OLDS '80 Cutlass DSL, loaded, mint,
auto, 4 dr, lthr int, ps/pb, fact
air, wide trxs, xlnt cd, 31M mi,
p/pty, $6K
(NRF-246) 805/785-7878

Car Make OLDSMOBILE Car Model CUTLASS Year 1980

Price $6000.00 Telephone 805/785-7878 License Number NRF-246

OLDSMOBILE 1980 CUTLASS DIESEL, LOADED, MINT CONDITION, AUTOMATIC, FOUR DOOR, LEATHER INTERIOR, POWER STEERING AND BRAKES, FACTORY AIR CONDITIONING, WIDE TRACK TIRES, EXCELLENT CONDITION, THIRTY-ONE THOUSAND MILES, PRIVATE PARTY, SIX THOUSAND DOLLARS

4.

DAT '79 510 wgn, 4 spd, a/c, am-fm,
38M mi, mags, xlnt cd, fuel inj,
r & h, xtras, p/pty, $4595
(NUSTAD) 213/898-1111

Car Make DATSUN Car Model 510 WAGON Year 1979

Price $4595.00 Telephone 213/898-1111 License Number NUSTAD

DATSUN 1979 510 WAGON, FOUR SPEED, AIR CONDTIONING, AM-FM RADIO, THIRTY-EIGHT THOUSAND MILES, MAG WHEELS, EXCELLENT CONDITION, FUEL INJECTION, RADIO AND HEATER, EXTRAS, PRIVATE PARTY

ODOMETER 1

Name Key, Pg W13

Date ______ Period ______

The odometer shows how many miles a car has traveled.

Tenths

3 4 2 0 5 8 This odometer reads thirty-four thousand, two hundred five and eight-tenths miles.

Write in words the number of miles shown on each odometer.

1. 2 3 7 4 0 9 TWENTY-THREE THOUSAND SEVEN HUNDRED FORTY AND NINE TENTHS miles
2. 8 0 4 0 1 3 EIGHTY THOUSAND FOUR HUNDRED ONE AND THREE TENTHS miles
3. 0 1 2 4 7 0 ONE THOUSAND TWO HUNDRED FORTY SEVEN miles
4. 5 4 0 0 1 4 FIFTY-FOUR THOUSAND ONE AND FOUR TENTHS miles
5. 1 7 7 1 3 8 SEVENTEEN THOUSAND SEVEN HUNDRED THIRTEEN AND EIGHT TENTHS miles
6. 0 9 9 0 9 1 NINE THOUSAND NINE HUNDRED NINE AND ONE TENTHS miles
7. 1 0 0 5 7 2 TEN THOUSAND FIFTY-SEVEN AND TWO TENTHS miles
8. 4 6 0 2 5 0 FORTY-SIX THOUSAND TWENTY-FIVE miles
9. 7 3 2 0 3 6 SEVENTY-THREE THOUSAND TWO HUNDRED THREE AND SIX TENTHS miles
10. 9 2 5 6 8 3 NINETY-TWO THOUSAND FIVE HUNDRED SIXTY-EIGHT AND THREE TENTHS miles

W35

WHEEL ADS 2

Name Key, Pg W10

Date ______ Period ______

Complete the information below using the three car advertisements. Do not use abbreviations in your answer.

	Chev. Chevette '80 h/b, 2 dr, auto, a/c, 4 cyl, r&h, 25M mi, 25 mpg, $3995 obo, p/p, wknds 213/362-3284 (610HHV)	Buick '81 Riviera conv, immac, ps/pb, ster cass, auto, lo mi, lthr int, bckts, $12K, p/pty 714/885-2113 (784XIW)	Toy '80 p/u, 4 whl dr, 5 spd, stk, cust int/pnt, mags, am-fm ster, tilt whl, air, sunrf, shell, $6595, p/p, eves aft 5, 313/891-4552 (1B10703)
Make	CHEVROLET	BUICK	TOYOTA
Model	CHEVETTE	RIVIERA	PICK UP
Year	1980	1981	1980
Price	$3995 OR BEST OFFER	$12,000	$6595
Telephone	213/362-3284	714/885-2113	313/891-4552
License Number	610HHV	784XIW	1B10703
Mileage	25,000	LOW MILEAGE	
Transmission	AUTOMATIC	AUTOMATIC	MANUEL
Special features	HATCHBACK, TWO DOOR, AIR CONDITIONING, FOUR CYLINDER, RADIO AND HEATER, TWENTY-FIVE MILES PER GALLON	CONVERTIBLE, IMMACULATE, POWER STEERING AND BRAKES, STEREO CASSETTE, LEATHER INTERIOR, BUCKET SEATS	FOUR WHEEL DRIVE, FIVE SPEED, CUSTOM INTERIOR AND PAINT, MAG WHEELS, AM-FM RADIO, TILT STEERING WHEEL, AIR CONDITIONING, SUNROOF, SHELL

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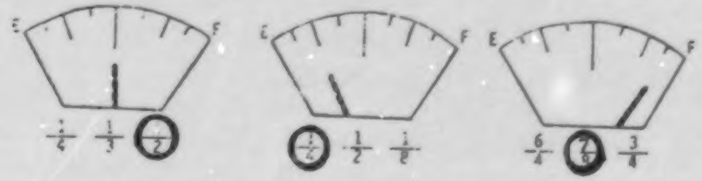
FRACTION FUEL

Name *Key, Pg W15*

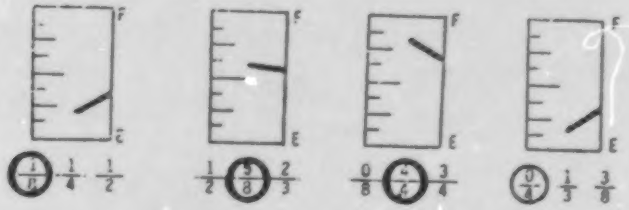
Date__________ Period__________

Read each gas gauge. Circle the fraction which indicates how full the tank is.

1.

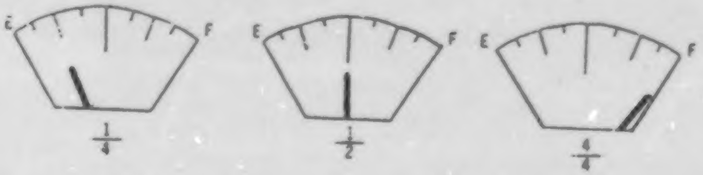


2.

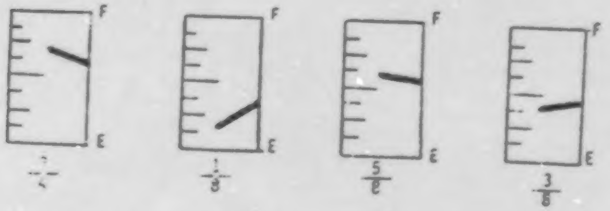


The fraction below each gas gauge tells you how full the tank is. Draw an arrow to show the placement of the gauge.

3.



4.



ODOMETER 2

Name *Key, Pg W14*

Date__________ Period__________

These are the odometer readings for one year, recorded at the beginning and end of each month. To find the distance traveled each month subtract the beginning reading from the end reading. Remember the last digit of the odometer reading is the tenths position.

MONTH	ODOMETER READING		DISTANCE TRAVELED
	BEGINNING	ENDING	
January	0 4 1 3 6 7	0 4 9 0 8 3	771.6 miles
February	0 4 9 0 8 3	0 6 0 1 3 8	1105.5 miles
March	0 6 0 1 3 8	0 7 1 5 9 6	1145.8 miles
April	0 7 1 5 9 6	0 8 2 4 3 0	1083.4 miles
May	0 8 2 4 3 0	0 9 1 7 5 5	932.5 miles
June	0 9 1 7 5 5	1 0 3 1 8 9	1143.4 miles
July	1 0 3 1 8 9	1 1 8 0 1 4	1482.5 miles
August	1 1 8 0 1 4	1 3 4 6 7 1	1665.7 miles
September	1 3 4 6 7 1	1 4 3 8 9 2	922.1 miles
October	1 4 3 8 9 2	1 5 2 3 6 7	847.5 miles
November	1 5 2 3 6 7	1 6 0 4 3 8	807.1 miles
December	1 6 0 4 3 8	1 7 4 6 9 9	1426.1 miles
		Yearly total	13,333.2 miles
		Monthly average	1111.1 miles

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GASOLINE MILEAGE I

Name Key, Pg W17
Date ______ Period ______

Do you want to know how many miles per gallon your car gets? Follow these steps and you will find out.

1. Fill up your tank and write down your first odometer reading. Remember the last digit on the odometer is the tenths position. (Tank must be really full each time).
2. Drive your car a couple of days without putting in more gas. (Make sure you don't run out of gas!).
3. Now fill your tank again. Write down the number of gallons it takes. Also write down the second odometer reading.
4. Subtract the first odometer reading from the second. This will show you how many miles you have driven.
5. Divide the number of miles you have driven by the number of gallons of gas you have purchased.

Here is an example:

First odometer reading | 1 | 7 | 6 | 2 | 5 | .0 | You bought 15 gallons of gas.
Second odometer reading | 1 | 7 | 8 | 0 | 5 | .0 |

Subtract

17,805.0
-17,625.0
180.0 miles = 180 miles

Divide

12 miles per gallon
15) 180
15
30
30

Do this example:

First odometer reading | 2 | 6 | 8 | 6 | 8 | 7 | You bought 14 gallons of gas
Second odometer reading | 2 | 7 | 3 | 1 | 6 | .7 |

Subtract

27,316.7
-26,868.7
488.0 MILES = 448 MILES

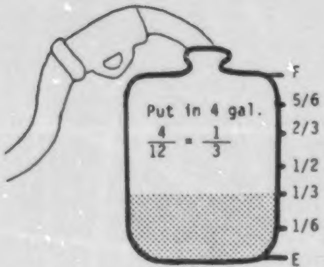
Divide

32 MILES PER GALLON
14) 448
42
28
28

GAS UP 1

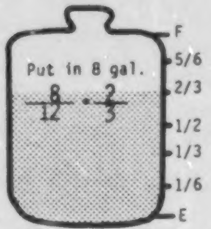
Name Key, Pg W16
Date ______ Period ______

Directions: Reduce the fraction to lowest terms. Shade in the tank to show new gasoline level. (Note: for this exercise start with an empty tank)



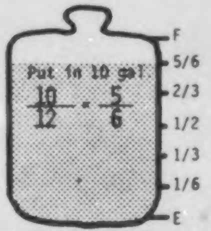
Put in 4 gal.
4/12 = 1/3
F
5/6
2/3
1/2
1/3
1/6
E

12 gallon tank



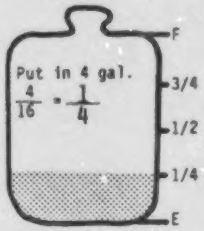
Put in 8 gal.
8/12 = 2/3
F
5/6
2/3
1/2
1/3
1/6
E

12 gallon tank



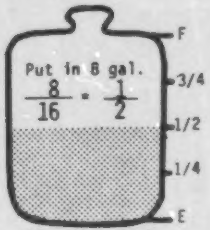
Put in 10 gal.
10/12 = 5/6
F
5/6
2/3
1/2
1/3
1/6
E

12 gallon tank



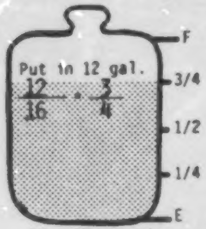
Put in 4 gal.
4/16 = 1/4
F
3/4
1/2
1/4
E

16 gallon tank



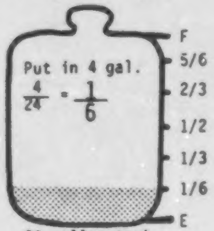
Put in 8 gal.
8/16 = 1/2
F
3/4
1/2
1/4
E

16 gallon tank



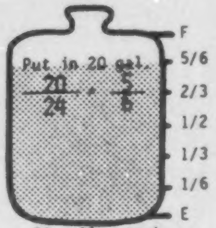
Put in 12 gal.
12/16 = 3/4
F
3/4
1/2
1/4
E

16 gallon tank



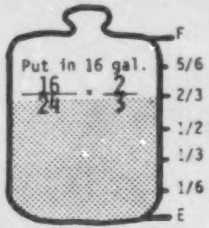
Put in 4 gal.
4/24 = 1/6
F
5/6
2/3
1/2
1/3
1/6
E

24 gallon tank



Put in 20 gal.
20/24 = 5/6
F
5/6
2/3
1/2
1/3
1/6
E

24 gallon tank



Put in 16 gal.
16/24 = 2/3
F
5/6
2/3
1/2
1/3
1/6
E

24 gallon tank

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GASOLINE MILEAGE 2

Name Key, Pg W19
Date__________ Period________

Many times the miles traveled and the number of gallons purchased do not come out to be whole numbers. Remember to move the decimal points to their final position before dividing.

Here is an example:

First odometer reading [2][1][2][3][6][4]
Second odometer reading [2][1][3][9][6][2]

You bought 9.4 gallons of gas

```
Subtract                    Divide

  21,396.2                      17 miles per gallon
 -21,236.4                9.4)159.8
     159.8                      94
                                658
                                658
```

Now complete the chart below. Do the arithmetic neatly on your own paper because you should hand it in with this page.

Odometer reading at start	Odometer reading at end	Miles traveled	Gallons of gas	Gasoline mileage
16,423.7	16,556.5	132.8	8.3	16 mpg
23,917.4	24,087.6	170.2	7.4	23 mpg
17,425.3	17,806.1	380.8	13.6	28 mpg
9,841.5	10,016.1	174.6	9.7	18 mpg
34,172.8	34,368.3	195.5	11.5	17 mpg
19,241.7	19,408.1	166.4	12.8	13 mpg
7,897.6	8,054.4	156.8	4.9	32 mpg
16,231.4	16,349.2	117.8	6.2	19 mpg
27,623.2	27,985.6	362.4	15.1	24 mpg
13,581.9	13,817.3	235.4	10.7	22 mpg

GASOLINE MILEAGE 1

Key, Pg W18

Now complete the chart below. Do the arithmetic neatly on your own paper because you should hand it in with this page.

Odometer reading at start	Odometer reading at end	Miles traveled	Gallons of gas	Gasoline mileage
55,000.0	55,168.0	168	14	12 mpg
9,520.0	9,664.0	144	12	12 mpg
25,540.9	25,680.9	140	10	14 mpg
0.0	153.0	153	9	17 mpg
36,638.3	37,118.3	480	16	30 mpg
425.4	546.4	121	11	11 mpg
17,225.8	17,433.8	208	13	16 mpg
7,915.4	8,170.4	255	15	17 mpg
11,719.2	11,975.2	256	8	32 mpg
46,683.7	46,923.7	240	16	15 mpg
32,759.9	33,207.9	448	16	28 mpg
23,879.5	24,201.5	322	14	23 mpg
29,818.0	30,169.0	351	13	27 mpg
24,681.5	24,933.5	252	12	21 mpg
31,415.6	31,681.6	266	14	19 mpg

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GASOLINE MILEAGE 3

Name Key, Pg W21
Date__________ Period______

Gasoline mileage (mpg) is usually computed to the nearest whole number. Compute your answer to the tenths position and round off to the nearest whole number. Remember to move the decimal points to their final position before dividing and annex (add) zeroes if necessary.

Here is an example:

First odometer reading	1 2 9 8 7 3	You bought 8.6 gallons of gas
Second odometer reading	1 3 1 5 2 5	

Subtract

```
 13,152.5
-12,987.3
    165.2 miles
```

Divide

```
          1 9. 2     19 miles per
8. 6) 1 6 5. 2. 0    gallon
        8 6
        7 9 2
        7 7 4
          1 8 0
          1 7 2
              8
```

Now complete the chart below. Do the arithmetic neatly on your own paper because you should hand it in with this page.

Odometer reading at start	Odometer reading at end	Miles traveled	Gallons of gas	Gasoline mileage
31,627.2	31,838.3	211.1	9.1	23 mpg
16,921.8	17,130.1	208.3	11.7	18 mpg
19,746.3	20,033.6	287.3	15.2	19 mpg
8,261.0	8,608.1	347.1	13.3	26 mpg
10,802.4	10,923.0	120.6	8.6	14 mpg
43,872.5	44,076.3	203.8	10.4	20 mpg
27,592.7	27,944.2	351.5	16.5	21 mpg
2,381.4	2,631.3	249.9	8.8	28 mpg
9,896.8	10,153.6	256.8	7.9	33 mpg
14,217.8	14,418.8	201.0	12.0	17 mpg

INTEREST RATES ARE INTERESTING?

Name Key, Pg W22
Date__________ Period______

Directions: Multiply the monthly payments times the number of months to get the total of payments. Then subtract the amount of the loan from the total of the payments to get the amount of interest.

Interest Rate 12%

Amount of Loan	Number of Months	Monthly Payments	Total of Payments	Amount of Interest
$1500	24	$ 77.50	$1860.00	$ 360.00
$2500	24	$129.17	3100.08	600.08
$3500	36	$132.22	4759.92	1259.92
$4500	36	$170.00	$6120.00	$1620.00

Interest Rate 15%

Amount of Loan	Number of Months	Monthly Payments	Total of Payments	Amount of Interest
$1500	24	$ 81.25	$1950.00	$ 450.00
$2500	24	$135.42	3250.08	750.08
$3500	36	$140.97	5074.92	1574.92
$4500	36	$181.25	$6525.00	$2025.00

Interest Rate 18%

Amount of Loan	Number of Months	Monthly Payments	Total of Payments	Amount of Interest
$1500	24	$ 85.00	$2040.00	$ 540.00
$2500	24	$141.67	3400.08	900.08
$3500	36	$149.72	5389.92	1889.92
$4500	36	$192.50	$6930.00	$2430.00

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CAR INSTALLMENT 1

Name Key, Pg W25

Date_______________ Period_________

Many customers purchase a car using installments (monthly payments). Unlike buying items where stores finance the balance, most car loans are financed through a bank or credit union. Banks usually require a 10% down payment for new cars or 20% down payment for used cars. In California, the license fee is two percent of the value (selling price) of the car. Compute the amount needed to finance each of the following cars and the amount of interest for one year. Remember to round off each answer to the nearest cent.

(1). Toyota, used car

Selling price	$3995.00
6% sales tax	239.70
2% license fee	+ 79.90
Total purchase price	4314.60
20% down payment	-862.92
Need to finance	3451.68
18% interest per year	$ 621.30

(2). Ford, used car

Selling price	$3367.00
6% sales tax	202.02
2% license fee	+ 67.34
Total purchase price	3636.36
20% down payment	-727.27
Need to finance	2909.09
19% interest per year	$ 552.73

(3). Chevrolet, new car

Selling price	$6723.00
6% sales tax	403.38
2% license fee	+134.46
Total purchase price	7260.84
10% down payment	- 726.08
Need to finance	6534.76
18% interest per year	$1176.26

(4). Volkswagen, new car

Selling price	$7488.00
6% sales tax	449.28
2% license fee	+149.76
Total purchase price	8087.04
10% down payment	- 808.70
Need to finance	7278.34
21% interest per year	$1528.45

CAR INSTALLMENT 2

Name Key, Pg W26

Date_______________ Period_________

Compute the amount needed to be financed and the interest per year for the following cars. Compute the payments by dividing by 12 for 1 year, 24 for 2 years, and 36 for 3 years. Remember to round off each answer to the nearest cent.

CHEVROLET, used car

Selling price	$3575.00
6% sales tax	214.50
2% license fee	+ 71.50
Total purchase price	3861.00
20% down payment	-772.20
Need to finance	3088.80
19% interest per year	$ 586.87

FINANCING: 1 year

Need to finance	$3088.80
One year interest	+586.87
Total to be repaid	3675.67
Monthly payment	$ 306.31

FINANCING: 2 years

Need to finance	$3088.80
First year interest	586.87
Second year interest	+586.87
Total to be repaid	4262.54
Monthly payment	$ 177.61

FINANCING: 3 years

Need to finance	$3088.80
First year interest	586.87
Second year interest	586.87
Third year interest	+586.87
Total to be repaid	4849.41
Monthly payment	$ 134.71

HONDA, new car

Selling price	$6284.00
6% sales tax	377.04
2% license fee	+125.68
Total purchase price	6786.72
10% down payment	-678.67
Need to finance	6108.05
18% interest per year	$1099.45

FINANCING: 1 year

Need to finance	$6108.05
One year interest	+1099.45
Total to be repaid	7207.50
Monthly payment	$ 600.63

FINANCING: 2 years

Need to finance	$6108.05
First year interest	1099.45
Second year interest	+1099.45
Total to be repaid	8306.95
Monthly payment	$ 346.12

FINANCING: 3 years

Need to finance	$6108.05
First year interest	1099.45
Second year interest	1099.45
Third year interest	+1099.45
Total to be repaid	9406.40
Monthly payment	$ 261.29

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TABLE OF CONTENTS - WHEELS TESTS

Car Info Test . . . . TW 1

Gas Test . . . . TW 2

MPG Test . . . . TW 3

Tire Purchase Test . . . . TW 4-5

Car Purchase Test . . . . TW 6-7

Answer keys follow the tests.

CAR INFO TEST

Name____________________

Date______________ Period______

Write the meaning of each abbreviation.

1. lo dn____________________
2. p/w____________________
3. $3K____________________
4. p/p____________________
5. ps/pb____________________

Choose the word from below that best fits each definition and fill in the blank.

automatic   dealer   make   transmission   private party
             model   manuel

____________ 6. company name

____________ 7. merchant who buys and sells

____________ 8. plan; design; style

____________ 9. moving or acting by itself

____________ 10. individual who sells his own car

Rewrite the car advertisement below without using any abbreviations.

Pont. FB '80, 5 spd stk, bckts, nu
trs, 22 M mi, p/p
$5K obo (My Bird) 213/988-1122

Car Make__________ Car Model__________ Year________

Price__________ Telephone__________ License Number________

____

____

____

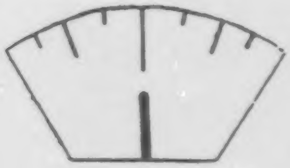
GAS TEST

Name________________________________

Date____________________Period______

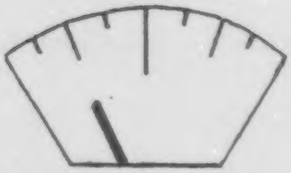
Read each gas gauge. Circle the fraction which indicates how full the tank is.

1.



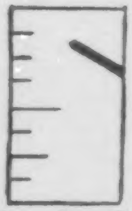
3/8 3/4 1/2

2.



1/2 1/4 1/8

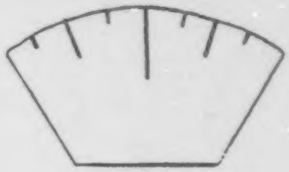
3.



0/8 8/8 3/4

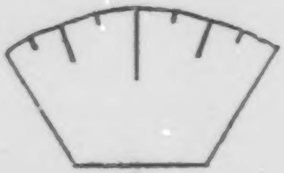
The fraction below each gauge tells you how full the tank is. Draw an arrow to show the placement of the gauge.

4.



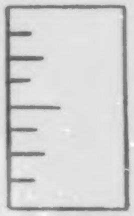
3/4

5.



7/8

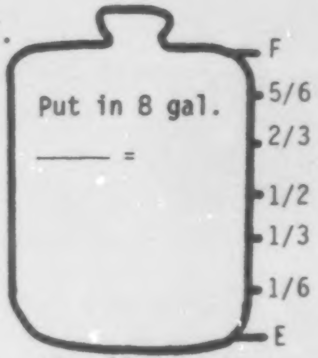
6.



0/4

Reduce the fraction to lowest terms. Shade in the tank to show new gasoline level.

7.

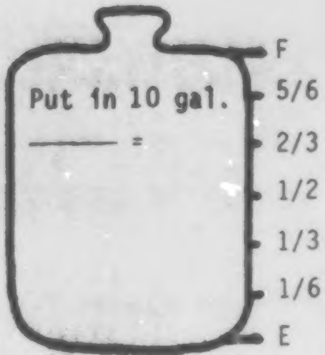


Put in 8 gal.

_____ =

12 gallon tank

8.

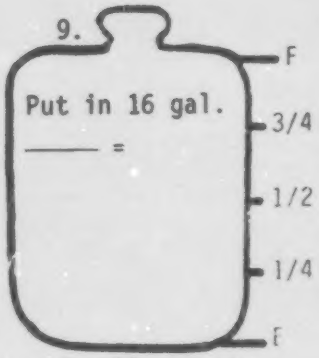


Put in 10 gal.

_____ =

15 gallon tank

9.



Put in 16 gal.

_____ =

16 gallon tank

MPG TEST

Name____________________________

Date__________________Period______

Use the table below to compute miles traveled and gasoline mileage. Some answers will not be whole numbers. Compute your answers to the tenths position and round to the nearest whole number.

	Odometer reading at start	Odometer reading at end	Miles traveled	Gallons of gas	Gasoline mileage
1.	42,843.0	42,993.0	______	10	______
2.	6,481.7	6,670.7	______	9	______
3.	25,351.5	25,655.5	______	16	______
4.	820.4	1,080.4	______	13	______
5.	17,904.3	18,095.2	______	8.3	______
6.	4,041.6	4,230.3	______	11.1	______
7.	19,904.2	20,133.0	______	10.4	______
8.	429.4	796.9	______	14.7	______
9.	0	283.9	______	12.2	______
10.	5,042.1	5,281.4	______	9.9	______
11.	13,889.6	14,108.9	______	11.4	______
12.	55,380.4	55,702.6	______	8.8	______

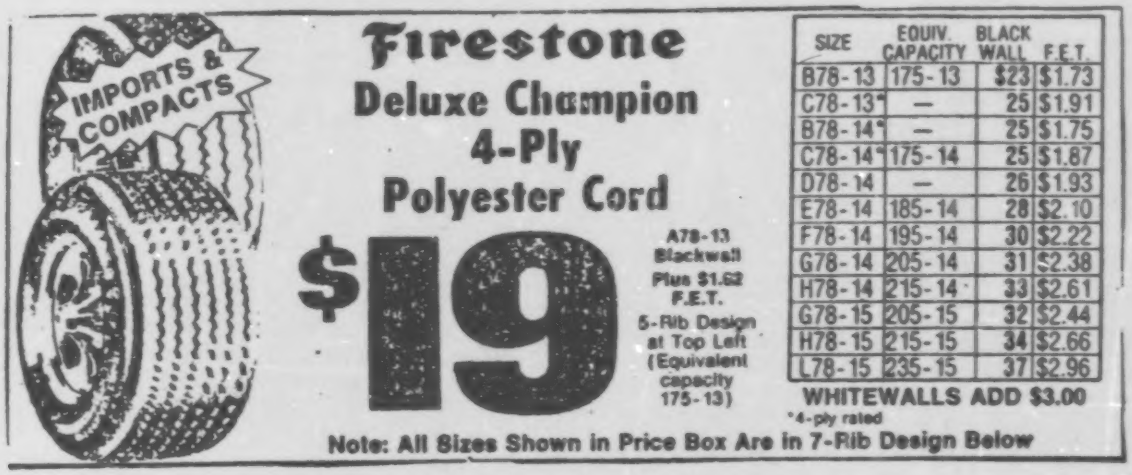
13. When Mr. Smith left San Diego the odometer reading was 29,813.2 miles. Upon arriving at San Francisco he noticed the odometer reading was 30,353.2 miles. Mr Smith used 20 gallons of gas to complete the trip. Compute the gasoline mileage for the trip. ________

TIRE PURCHASE TEST

Name______________________________

Date__________________ Period________

Directions: Study the advertisement below. Use this information to answer the following questions.



IMPORTS & COMPACTS

Firestone

Deluxe Champion

4-Ply

Polyester Cord

$19

A78-13 Blackwall Plus $1.62 F.E.T. 5-Rib Design at Top Left (Equivalent capacity 175-13)

SIZE	EQUIV. CAPACITY	BLACK WALL	F.E.T.
B78-13	175-13	$23	$1.73
C78-13*	—	25	$1.91
B78-14*	—	25	$1.75
C78-14*	175-14	25	$1.87
D78-14	—	26	$1.93
E78-14	185-14	28	$2.10
F78-14	195-14	30	$2.22
G78-14	205-14	31	$2.38
H78-14	215-14	33	$2.61
G78-15	205-15	32	$2.44
H78-15	215-15	34	$2.66
L78-15	235-15	37	$2.96

WHITEWALLS ADD $3.00

*4-ply rated

Note: All Sizes Shown in Price Box Are in 7-Rib Design Below

The abbreviation F.E.T. stands for Federal Excise Tax, which is added to the price of every tire sold. There is an additional charge for whitewall tires.

1. What company manufactures these tires?

   A. Goodyear B. Goodrich C. Firestone D. Polyester

2. How much more are whitewalls than blackwalls?

   A. $1.00 B. $3.00 C. $19.00 D. $1.62

3. The $19 tire is not really $19. You have to add the F.E.T. to the price. How much would the tire then cost?

   A. $1.81 B. $20.73 C. $20.62 D. $19.00

4. Which of the following tires is four-ply rated?

   A. L78-15 B. B78-13 C. D78-14 D. C78-14

5. What would be the total cost of one B78-13 blackwall?

   A. $24.91 B. $24.73 C. $23.00 D. $196.00

6. What would be the total cost of two F78-14 whitewalls?

   A. $70.44 B. $68.88 C. $60 D. $37.22

TIRE PURCHASE TEST

7. What would be the total cost of four H78-15 blackwalls?

A. $158.64 B. $138.66 C. $142.44 D. $146.64

8. If you gave the clerk $35 for one B78-14 blackwall, what would your change be?

A. $5.25 B. $8.25 C. $10.00 D. $15.80

9. If you gave the clerk $200 for four F78-14 whitewalls, what would your change be?

A. $59.12 B. $68.00 C. $71.12 D. $80.00

10. If Juan earns $3.00 an hour how many hours does he have to work to pay for four C78-14 blackwalls?

A. 40 B. 35 C. 36 D. 30

11. Today only, Firestone has a 10% discount if you pay cash. What would be the cost of one L78-15 blackwall?

A. $35.96 B. $33.30 C. $32.99 D. $36.96

12. In California it is necessary to pay state tax along with the federal tax. If the state tax is 6.5%, what would be the cost of one H78-14 whitewall?

A. $37.92 B. $40.15 C. $41.12 D. $38.82

13. If the state tax were 6%, what would be the total cost of a pair of B78-13 blackwall tires?

A. $26.21 B. $52.43 C. $46.76 D. $50.78

14. At the end of the year Firestone had a 20% discount sale. What was the total cost of four B78-14 whitewalls on sale?

A. $95.20 B. $85.60 C. $119.00 D. $96.80

15. What is the total cost of one D78-14 blackwall at 1/3 off if the state sales tax is 6.5%?

A. $19.90 B. $18.62 C. $19.83 D. $18.50

CAR PURCHASE TEST

Name____________________________________

Date_____________________Period_________

Directions: Read the car ad in the box below. Use this information and the given sales tax, license fee and interest rates to complete the Car Purchase form on the other side of this page. Remember, all options must be written out in complete words; do not use abbreviations.

Chevrolet

CHEV. '74 Monte Carlo, ps/pb, air

$2650, P/p. (090LEC) 714/998-7069

CAR PURCHASE TEST

DESCRIPTION OF CAR

Make ______________________________

Model ______________________________

Year ______________________________

Selling price ______________________

Color ______________________________

Options ____________________________

____

This car gets approximately

__________ mpg.

BASIC COST

Selling price $__________

6.5% sales tax __________

2% license fee + __________

Total purchase price __________

20% down payment - __________

Need to finance __________

15% interest per year __________

FINANCING: 1 year

Need to finance $__________

One year interest + __________

Total to be repaid __________

Monthly payment __________

FINANCING: 2 years

Need to finance $__________

First year interest __________

Second year interest + __________

Total to be repaid __________

Monthly payment __________

FINANCING: 3 years

Need to finance $__________

First year interest __________

Second year interest __________

Third year interest + __________

Total to be repaid __________

Monthly payment __________

ANSWER KEYS TO WHEELS TESTS

Answer Info Test

See correctly filles out page TW1.

Gas Test

See correctly filled out page TW2.

MPG Test

See correctly filled out page TW 3.

Tire Purchase Test

1. C
2. B
3. C
4. D
5. B
6. A
7. D
8. B
9. A
10. C
11. A
12. C
13. B
14. A
15. C

Car Purchase Test

See correctly filled out page TW7.

CAR INFO TEST

Name Key, Pg TW 1

Date ____________ Period ______

Write the meaning of each abbreviation.

1. lo dn LOW DOWN PAYMENT
2. p/w POWER WINDOWS
3. $3K THREE THOUSAND DOLLARS
4. p/p PRIVATE PARTY
5. ps/pb POWER STEERING, POWER BRAKES

Choose the word from below that best fits each definition and fill in the blank.

automatic dealer model make transmission manuel private party

MAKE 6. company name

DEALER 7. merchant who buys and sells

MODEL 8. plan; design; style

AUTOMATIC 9. moving or acting by itself

PRIVATE PARTY 10. individual who sells his own car

Rewrite the car advertisement below without using any abbreviations.

Pont. FB '80, 5 spd stk, bckts, nu
trs, 22 M mi, p/p
$5K obo (My Bird) 213/988-1122

Car Make PONTIAC Car Model FIREBIRD Year 1980

Price $5,000 Telephone 213/988-1122 License Number MY BIRD

5 SPEED STICK, BUCKET SEATS, NEW TRANSMISSION, TWENTY-TWO THOUSAND MILES, PRIVATE PARTY, FIVE THOUSAND DOLLARS OR BEST OFFER

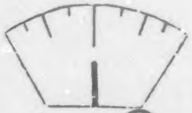
GAS TEST

Name Key, Pg TW 2

Date ____________ Period ______

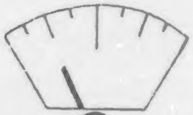
Read each gas gauge. Circle the fraction which indicates how full the tank is.

1.



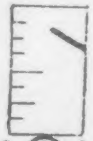
$\frac{3}{8}$ $\frac{3}{4}$ [✓ $\frac{1}{2}$]

2.



$\frac{1}{2}$ [✓ $\frac{1}{4}$] $\frac{1}{8}$

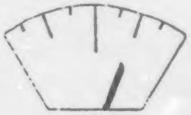
3.



$\frac{0}{6}$ [✓ $\frac{6}{8}$] $\frac{3}{4}$

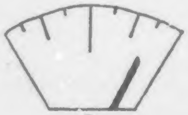
The fraction below each gauge tells you how full the tank is. Draw an arrow to show the placement of the gauge.

4.



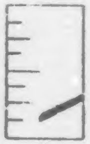
$\frac{3}{4}$

5.



$\frac{7}{8}$

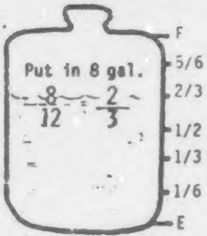
6.



$\frac{0}{4}$

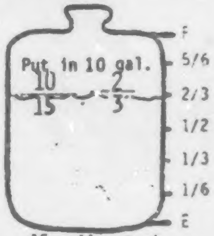
Reduce the fraction to lowest terms. Shade in the tank to show new gasoline level.

7.



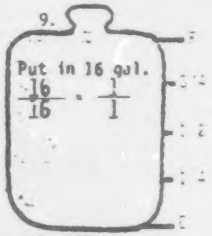
12 gallon tank

8.



15 gallon tank

9.



16 gallon tank

BEST COPY AVAILABLE

MPG TEST

Name Key, Pg TW3

Date________ Period____

Use the table below to compute miles traveled and gasoline mileage. Some answers will not be whole numbers. Compute your answers to the tenths position and round to the nearest whole number.

	Odometer reading at start	Odometer reading at end	Miles traveled	Gallons of gas	Gasoline mileage
1.	42,843.0	42,993.0	150	10	15
2.	6,481.7	6,670.7	189	9	21
3.	25,351.5	25,655.5	304	16	19
4.	820.4	1,080.4	260	13	20
5.	17,904.3	18,095.2	190.9	8.3	23
6.	4,041.6	4,230.3	188.7	11.1	17
7.	19,904.2	20,133.0	228.8	10.4	22
8.	429.4	796.9	367.5	14.7	25
9.	0	283.9	283.9	12.2	23
10.	5,042.1	5,281.4	239.3	9.9	24
11.	13,889.6	14,103.9	219.3	11.4	19
12.	55,380.4	55,702.6	322.2	8.8	37

13. When Mr. Smith left San Diego the odometer reading was 29,813.2 miles. Upon arriving at San Francisco he noticed the odometer reading was 30,353.2 miles. Mr Smith used 20 gallons of gas to complete the trip. Compute the gasoline mileage for the trip. 27

CAR PURCHASE TEST

Key, Pg TW7

DESCRIPTION OF CAR

Make CHEVROLET

Model MONTE CARLO

Year 1974

Selling price $2650

Color________

Options POWER STEERING/BRAKES, AIR CONDITIONING

This car gets approximately ________ mpg.

BASIC COST

Selling price	$ 2650.00
6.5 % sales tax	172.25
2% license fee	+ 53.00
Total purchase price	2875.25
20 % down payment	- 575.05
Need to finance	2300.20
15 % interest per year	345.03

FINANCING: 1 year

Need to finance	$ 2300.20
One year interest	+ 345.03
Total to be repaid	2645.23
Monthly payment	220.44

FINANCING: 2 years

Need to finance	$ 2300.20
First year interest	345.03
Second year interest	+ 345.03
Total to be repaid	2990.26
Monthly payment	124.59

FINANCING: 3 years

Need to finance	$ 2300.20
First year interest	345.03
Second year interest	345.03
Third year interest	+ 345.03
Total to be repaid	3335.29
Monthly payment	92.65

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SPRING VACATION

HANSEN DAM
BEER

SPRING VACATION - *Teacher's Introduction*

"Spring Vacation" is intended to be a fun project. Math-related skills are sweetened by the students' anticipation of the joys of getting away from it all and doing their own thing. This units' final project encourages pupils to express their individuality.

First the students look at the inflationary cost of gas with the use of a line graph and how it affects the cost of the trip. Since the cost of gas is the major car expense, encourage the students to use a gasoline credit card in order to have a record of total transportation expenditures, including minor repairs and to avoid carrying large amounts of cash. Running out of gas would not be a welcome guest on the trip, so worksheets have been included on computing distances traveled on a tank of gas and filling and using an amount of gas in a tank.

For any successful vacation the students should learn to read maps and mileage tables. Worksheets have been provided on reading a mileage table and computing distance between two cities on a map.

Many travelers base a trip on time rather than distance for a days travel. Time is an important component in computing distance, therefore a worksheet on time has been included.

The last week of the unit is spent on each students' individual choice of a vacation. The students will actually compute all the necessary expenses of a trip such as: lodging, food, entertainment and transportation. Remind students that they have had practice ("Wheels for Real") in using mileage figures to compute estimated fuel costs. These expenses are then recorded on a chart and transferred to a circle graph. Two circle graphs have been provided, one for a class activity and the second for the student's final project. The last week of the unit is very complex, therefore teacher preparation and involvement are a must!

Students must plan to pay all travel expenses from their savings and vacation pay check. If the "Spring Vacation" does not coincide with the actual school vacation week, defer the issuing of the vacation check until the final week of the vacation unit. A second choice would be to issue the vacation paycheck under miscellaneous on the Friday before the actual school vacation and tell students to save until they go on their "Spring Vacation".

SPRING VACATION - CHRONOLOGY

	Day 1	Day 2	Day 3	Day 4	
WEEK 1	Complete "Going Up" worksheet.	Complete "Take to the Highway" worksheet. *School*	Complete "Out of Gas" worksheet. *Week #30*	OPEN DAY	PAYDAY
WEEK 2	Complete "Gas Up 2" worksheet.	Complete gas credit card application. *School*	Complete "Gas Up 3" worksheet. *Week #31*	Complete "How much Longer?" worksheet.	PAYDAY
WEEK 3	Complete "Wild West" worksheet.	Begin "California Traveling" worksheet. *School*	Complete "California Traveling" worksheet. *Week #32*	OPEN DAY	PAYDAY
WEEK 4	Complete "Circle Graph 1" worksheet.	Begin vacation choice. *School*	Complete vacation choice. Begin "Circle Graph 2" worksheet. *Week #33*	Complete "Circle Graph 2" worksheet.	PAYDAY

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SPRING VACATION - FIRST WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Round to the nearest cent.
Plot points on a line graph.
Read and interpret a bar graph.
Draw a bar graph using the information on a chart.
Compute distance given mpg and number of gallons used.

Activities:

Day 1 *Complete "Going Up" worksheet.*

Using an overhead transparency of the "Going Up" graph, lead the students through plotting the cost of gas for the first few years. This worksheet could lead to a discussion of inflation. The last year of the graph has been left blank for the students to project into their future the price of a gallon of gasoline.

Day 2 *Complete "Take to the Highway" worksheet.*

Using an overhead transparency of the first page of "Take to the Highway" worksheet, lead the students through A and B of the first three questions. A review of averaging is helpful for students to complete questions 4 and 5. This worksheet could lead to a discussion of the various components of a bar graph, such as: title, two scales (axes), key etc. This discussion will help the students in completing the second page of the worksheet.

Day 3 *Complete "Out of Gas" worksheet.*

Using an overhead transparency of the "Out of Gas" worksheet, lead the students through the first few problems including one round trip. Discuss with the class the consequences of running out of gas, such as: inconvenience, possible fine, no gas station open, physical dangers, etc.

Day 4 *Open Day*

Materials: *Ditto Copies of:*

"Going Up" worksheets
"Take to the Highway" worksheets
"Out of Gas" worksheet

Overhead transparencies of:

"Going Up" graph
"Take to the Highway" worksheet (first page)
"Out of Gas" worksheet

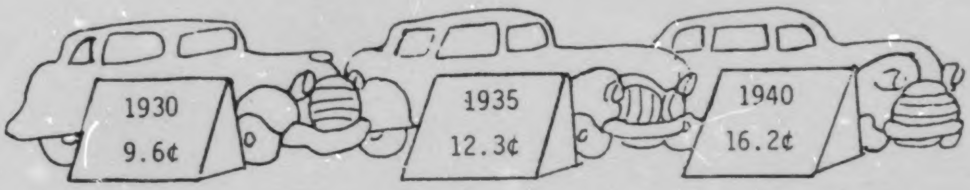
Class set of rulers (optional)

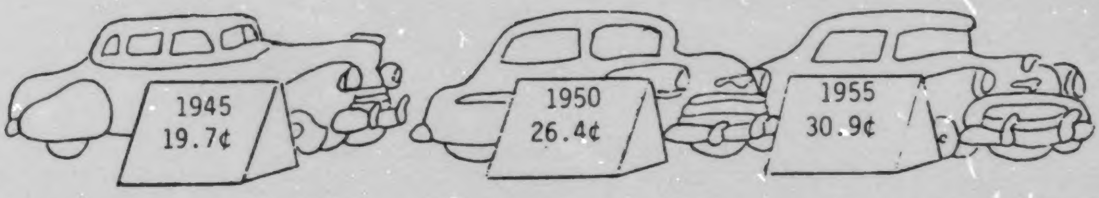
GOING UP

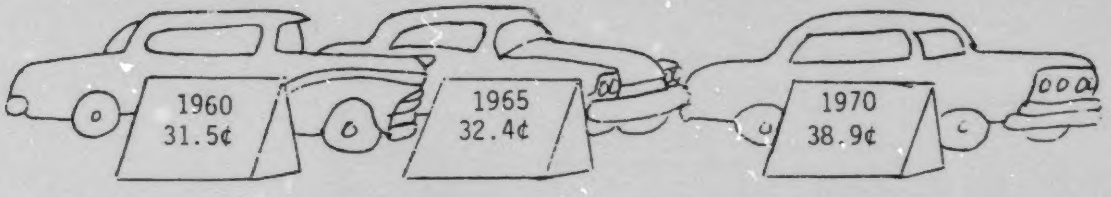
Name______________________________

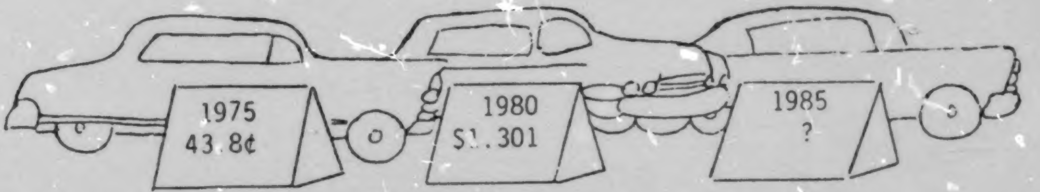
Date_______________Period__________

Each car below has the average price per gallon of gas for a particular year. Use this **information** below to complete the line graph. Round the prices to the nearest cent.


1930
9.6¢
1935
12.3¢
1940
16.2¢

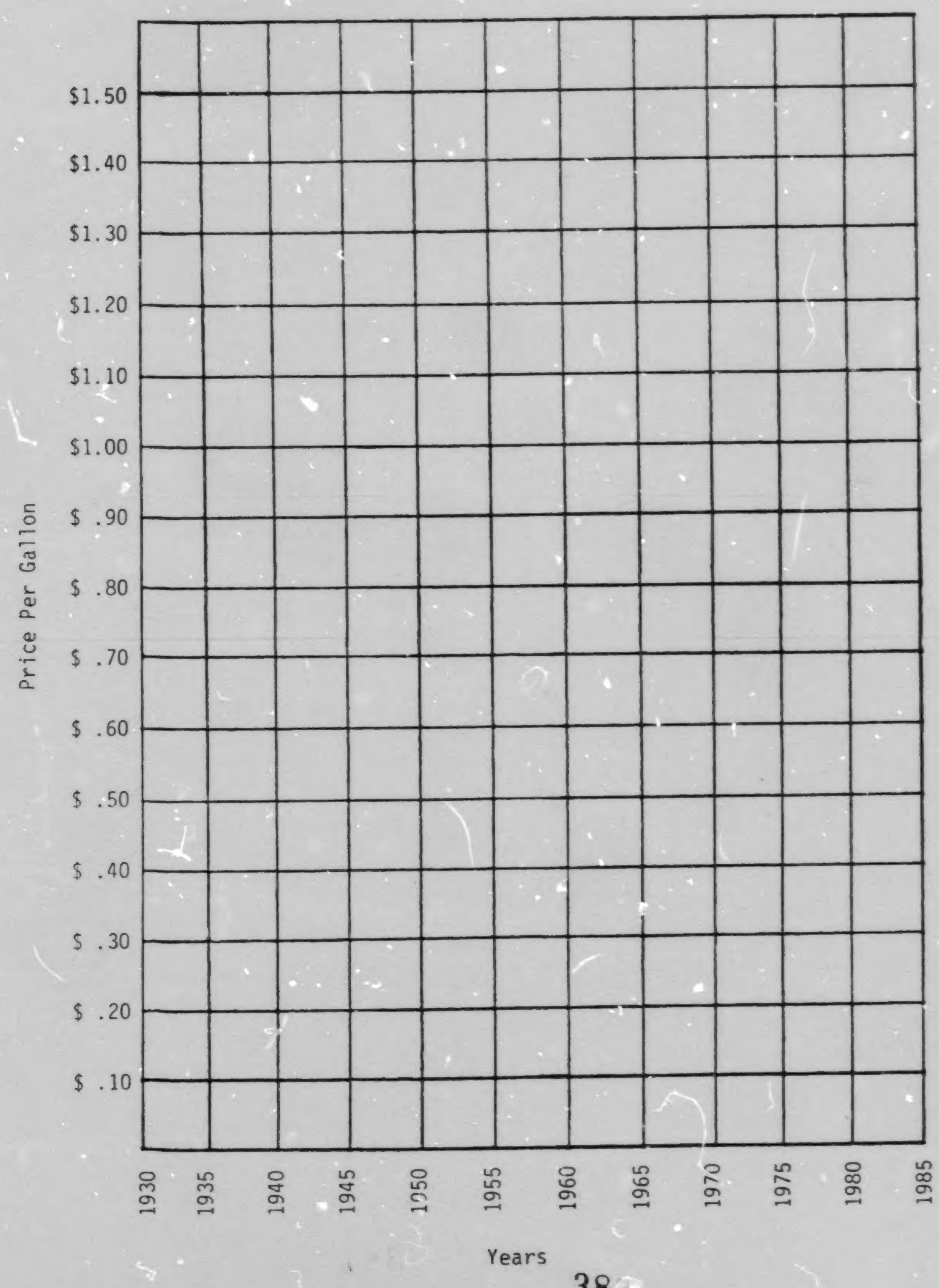

1945
19.7¢
1950
26.4¢
1955
30.9¢


1960
31.5¢
1965
32.4¢
1970
38.9¢


1975
43.8¢
1980
$1.301
1985
?

GOING UP

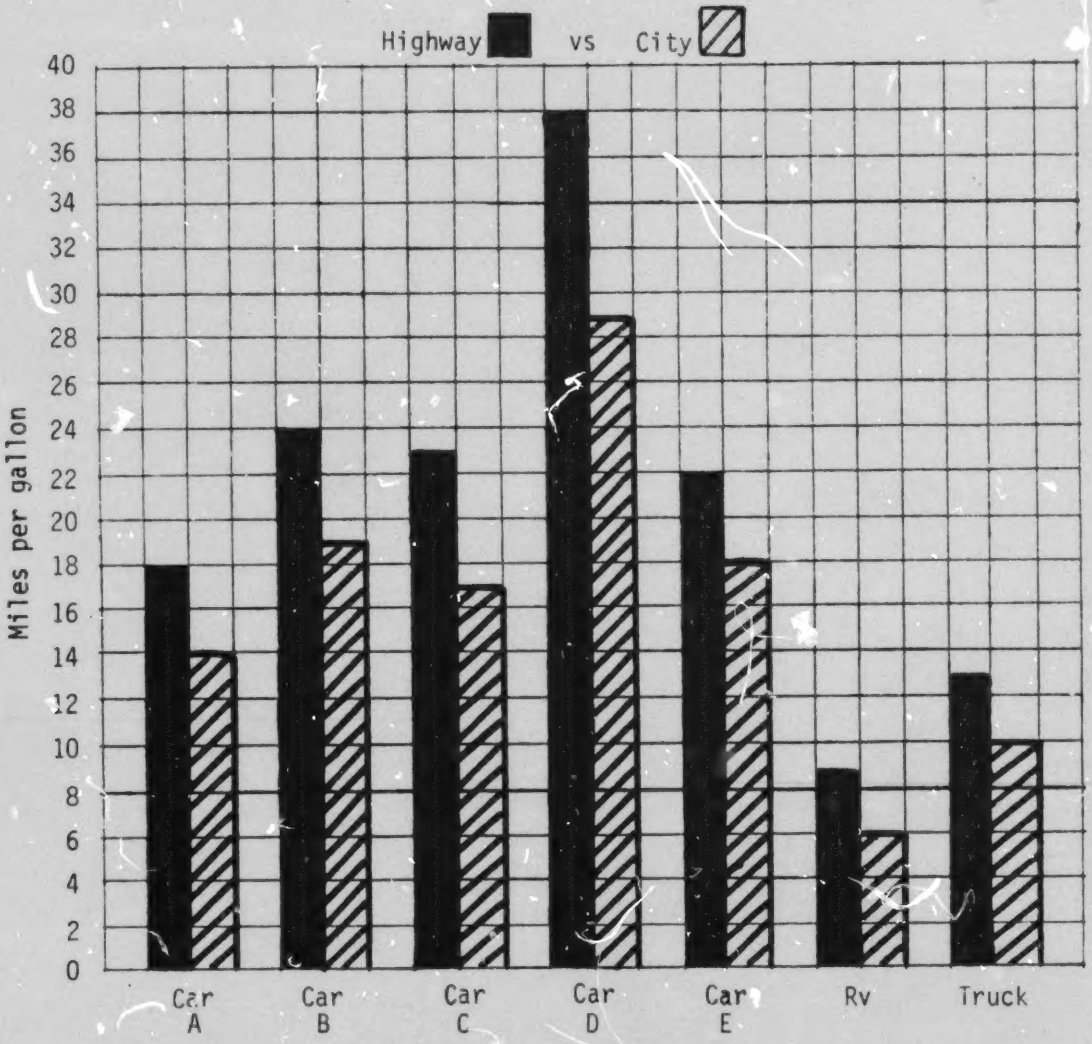
GASOLINE PRICES



TAKE TO THE HIGHWAY

Name______________________________

Date__________________Period_______



1. How many mpg does each vehicle get on the highway?
   A______ B______ C______ D______ E______ Rv______ Truck______

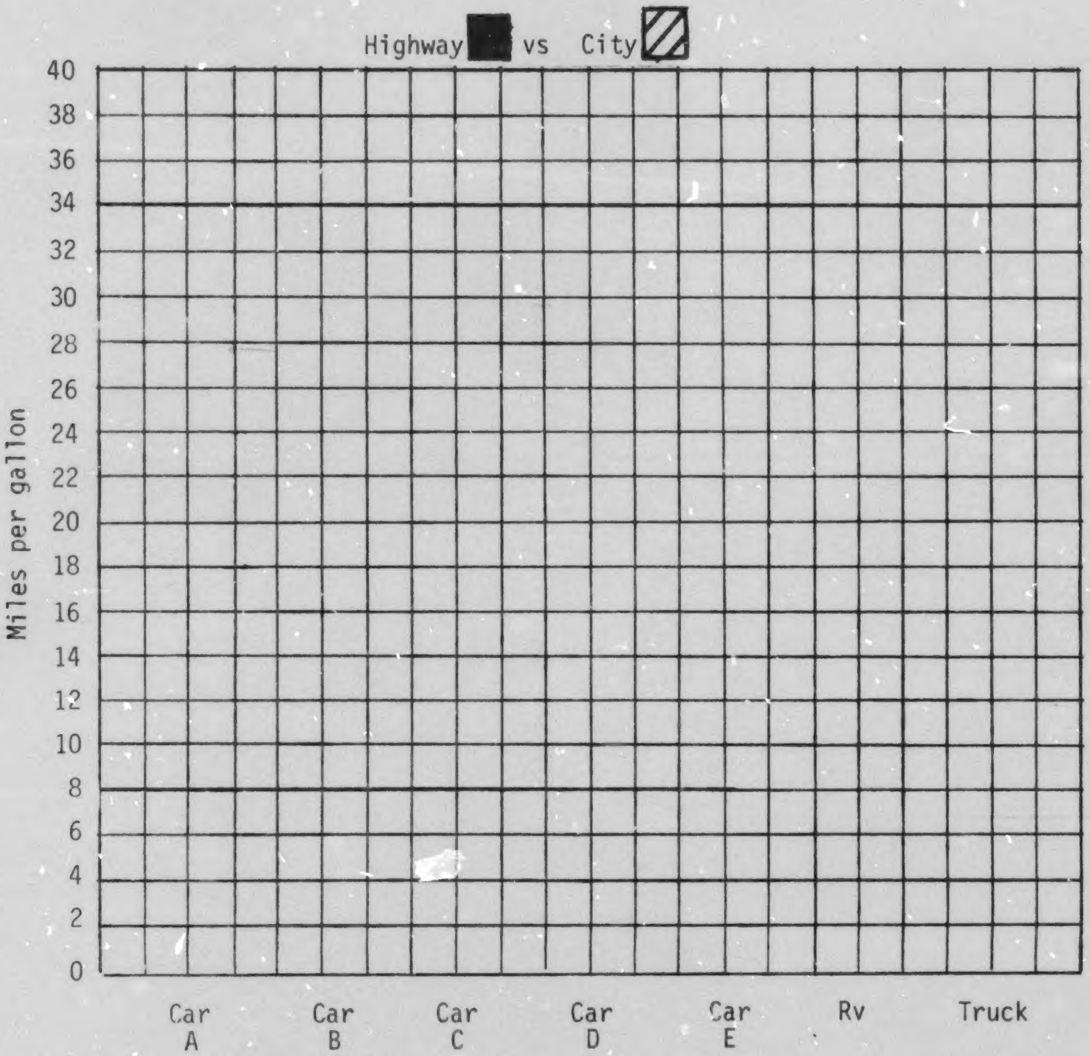
2. How many mpg does each vehicle get in the city?
   A______ B______ C______ D______ E______ Rv______ Truck______

3. What is the difference in mpg between highway driving and city driving for each vehicle?
   A______ B______ C______ D______ E______ Rv______ Truck______

4. What is the average highway mpg of the cars shown on the graph?________
   (Answer to the nearest whole number)

5. What is the average city mpg of the cars shown on the graph?_________
   (Answer to the nearest whole number)

TAKE TO THE HIGHWAY



Draw a bar graph using the information in the chart.

MPG	Car A	Car B	Car C	Car D	Car E	Rv	Truck
Highway	35	24	27	18	29	12	16
City	30	19	24	15	20	9	12

OUT OF GAS?

Name______________________________

Date__________________Period________

Directions: Compute the number of gallons used by dividing distance by mpg. Compare the number of gallons used to the number of gallons in your gas tank and answer "Did you run out of Gas?". Do the arithmetic neatly on your own paper and hand it in with this page.

	Distance one way	Cars mpg	No. of gallons used	No. of gallons in your gas tank	Did you run out of Gas?
Los Angeles to El Centro	213	23		9.5	
San Fernando to Mammoth Lakes	293	32		8.9	
Pacoima to Disneyland and return	58	15		7.4	
Bakersfield to Yosemite	228	18		12.8	
Sylmar to Pomona and return	67	17		8.2	
Los Angeles to San Jose	348	28		12.1	
Santa Barbara to Palm Springs	169	19		9.7	
Pacoima to Red Rock Canyon and return	93	22		8.3	
Los Angeles to San Diego	121	24		5.4	
Pacoima to Zuma and return	42	19		4.1	

SPRING VACATION - SECOND WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Add fractions with like denominators.
Add fractions with unlike denominators.
Subtract fractions with like denominators.
Subtract fractions with unlike denominators.
Complete a credit card application.
Compute travel time.

Activities:

Day 1 *Complete "Gas Up 2" worksheet.*

Review adding fractions with like and unlike denominators by leading the students through the first few problems of "Gas Up 2" worksheet. Additional worksheets on addition of fractions would be useful at this time.

Day 2 *Complete gas credit card application.*

Obtain permission to use a application form of a major gas company or use the application provided. Using an overhead transparency, guide the students through the gas credit card application.

Day 3 *Complete "Gas Up 3" worksheet.*

Review subtracting fractions with like and unlike denominators by leading the students through the first few problems of "Gas Up 3" worksheet. Additional worksheets on subtraction of fractions would be useful at this time.

Day 4 *Complete "How much Longer?" worksheet.*

Lead the students through the first few problems of each section on the "How much Longer?" worksheet. Make sure a problem showing borrowing is demonstrated to the students. Emphasis the following: one hour equals sixty minutes, N represents noon, M represents midnight.

Materials: *Ditto copies of:*

"Gas Up 2" worksheet
Major gas company application or application provided
"Gas Up 3" worksheet
"How much Longer?" worksheets

Overhead transparencies of:

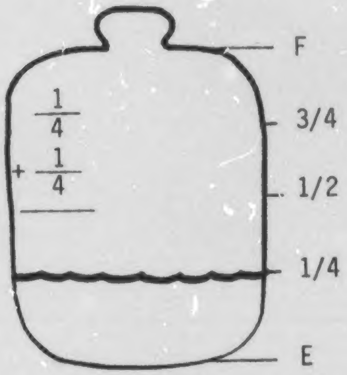
Major gas company application or application provided

GAS UP 2

Name______________________________

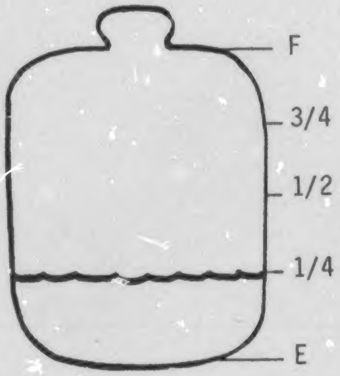
Date________________Period_________

Directions: The gas tanks in the diagrams below indicate the amount of gas now in the tanks. Shade in the tank to show new gasoline level.

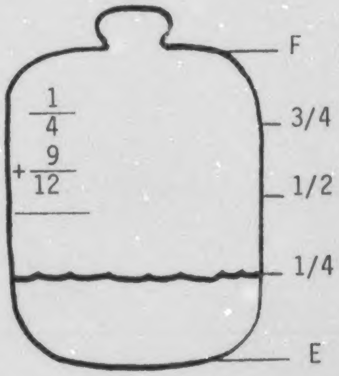


$\frac{1}{4}$
$+\frac{1}{4}$
F
3/4
1/2
1/4
E

12 gallon tank
Add 1/4 tank

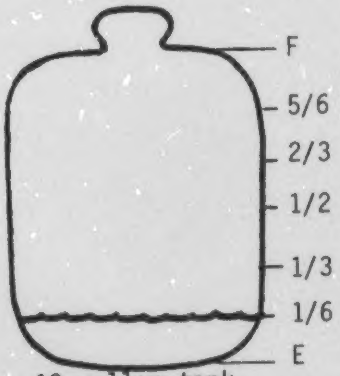


12 gallon tank
Add 1/2 tank



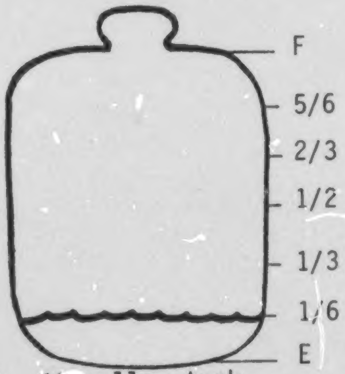
$\frac{1}{4}$
$+\frac{9}{12}$
F
3/4
1/2
1/4
E

12 gallon tank
Add 9 gallons



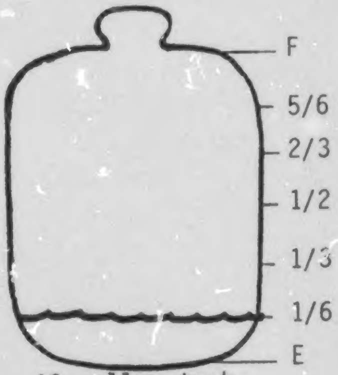
F
5/6
2/3
1/2
1/3
1/6
E

18 gallon tank
Add 1/2 tank



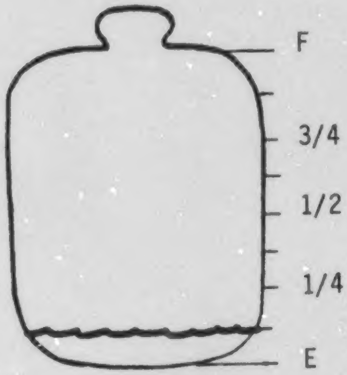
F
5/6
2/3
1/2
1/3
1/6
E

18 gallon tank
Add 2/3 tank

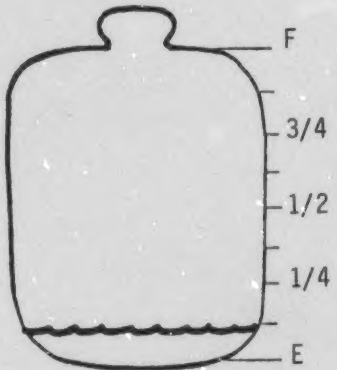


F
5/6
2/3
1/2
1/3
1/6
E

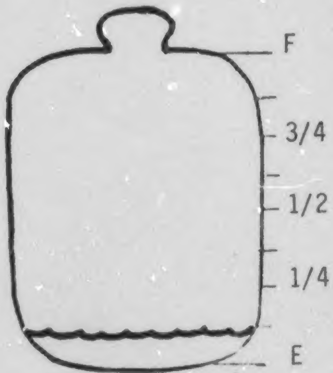
18 gallon tank
Add 12 gallons



24 gallon tank
Add 3/8 tank



24 gallon tank
Add 3/4 tank



24 gallon tank
Add 9 gallons

GAS CREDIT CARD APPLICATION

Applicant's full name			Age
Home Address (Including city, zip)	How Long? _____Yrs.____Mos.		☐ Own ☐ Rent ☐ Parents
Date of Birth	Phone No.	Social Security No. - -	Drivers License No.
Account will be used primarily for: ☐ Business ☐ Personal	If Business use, indicate: Commercial Vehicle Operated, Types____________ Estimated Monthly Charges__________		
Employer (Business Name if Self-Employed)	Type of Business	Length of Employment ______Yrs.______Mos.	
Address (Street-City-State)	Position	Monthly Income ☐ to $699 ☐ $700-$1799 ☐ $1800-over	
Previous Employer (If current employment less than 2 years)	Position	Length of Employment ______Yrs.______Mos.	
Loan Account ☐ Yes ☐ No	Number	Bank, Branch & Address	
Checking Account ☐ Yes ☐ No	Number	Bank, Branch & Address	
Savings Account ☐ Yes ☐ No	Number	Bank, Branch & Address	
Vehicle Information _______Year_________________Make	Do not ☐ Own Car	Car Currently Financed? ☐ Yes ☐ No	

If Car Financed by Whom

☐ Bank ☐ Finance Company ☐ Credit Union ☐ Other

CREDIT REFERENCES:

Other Oil Company Cards ☐ Yes ☐ No Account Number

Other Credit Card(s) ☐ Yes ☐ No Account Number

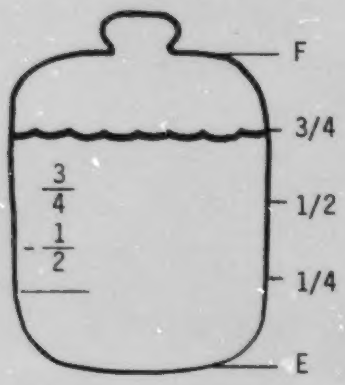
Number of Cards Desired ___	In submitting this application I authorize you to investigate my credit record. Signature__________________________________Date_________

GAS UP 3

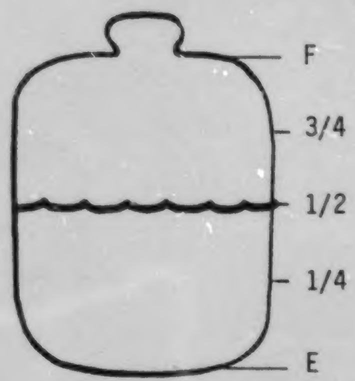
Name___________________________________

Date____________________Period________

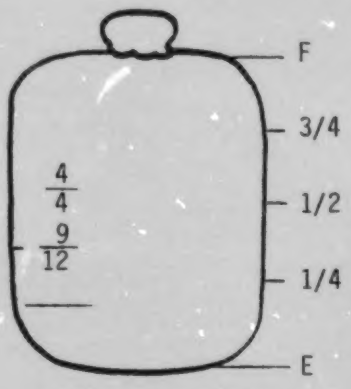
Directions: The gas tank in the diagrams below indicate the amount of gas now in the tanks. Shade in the tank to show new gasoline level.


F
3/4
1/2
1/4
E
3/4
1/2

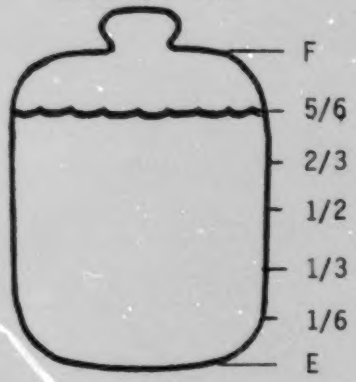
12 gallon tank
used 1/2 tank



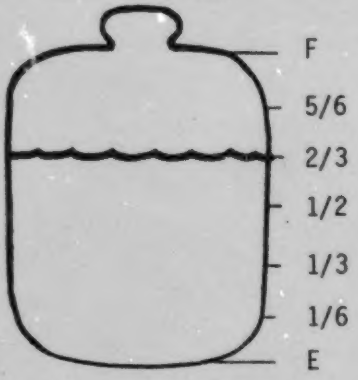
12 gallon tank
used 1/4 tank


F
3/4
1/2
1/4
E
4/4
9/12

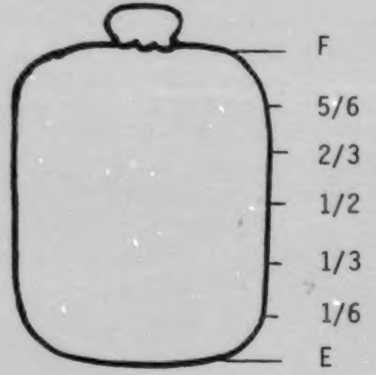
12 gallon tank
used 9 gallons


F
5/6
2/3
1/2
1/3
1/6
E

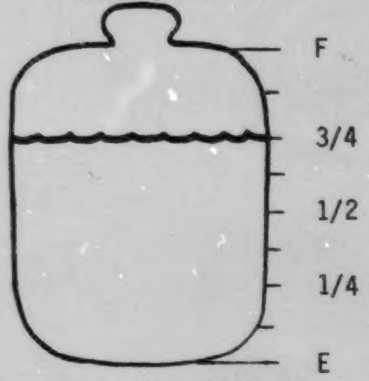
18 gallon tank
used 1/3 tank


F
5/6
2/3
1/2
1/3
1/6
E

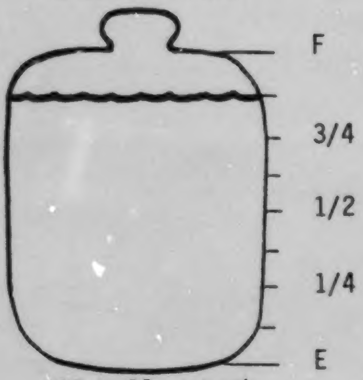
18 gallon tank
used 1/2 tank


F
5/6
2/3
1/2
1/3
1/6
E

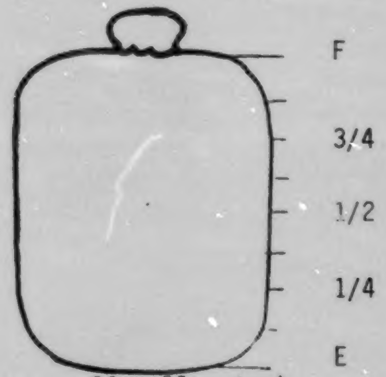
18 gallon tank
used 12 gallons



24 gallon tank
used 3/8 tank



24 gallon tank
used 1/2 tank



24 gallon tank
used 18 gallons

HOW MUCH LONGER?

Name________________________________

Date____________________Period________

Directions: Subtract to find the difference in the travel times. You may need to borrow an hour before you subtract. (Remember: 1 hour = 60 minutes.)

1. 3:30 PM -2:15 PM	2. 8:45 PM -3:15 PM	3. 11:30 PM -5:15 PM	4. 4:25 PM -1:05 PM
5. 9:00 AM -6:50 AM	6. 10:15 AM -7:30 AM	7. 8:30 PM -6:45 PM	8. 4:00 AM -3:26 AM
9. 3:05 AM -1:47 AM	10. 6:42 PM -2:58 PM	11. 12:00 N -8:33 AM	12. 12:00 M -7:24 PM

If you leave on a trip before noon (AM) and arrive after noon (PM), you can find the travel time in two steps.

Ex. You leave at 7:30 AM and arrive at 5:05 PM. To find the amount of time traveled before noon, subtract 7:30 AM from 12:00 noon. Add this result to the amount of time traveled after noon, 5 hours 5 minutes. Do the arithmetic neatly on your own paper because you should hand it in with this page.

Step 1:
12:00 Noon
-7:30 AM
4:30 = 4 hour 30 min

Step 2:
4 hr 30 min
+5 hr 05 min
9 hr 35 min = 9:35

1. Lv 10:00 AM Ar 2:00 PM	2. Lv 6:30 AM Ar 4:00 PM	3. Lv 11:45 AM Ar 1:30 PM	4. Lv 7:15 AM Ar 2:10 PM
5. Lv 9:40 AM Ar 5:20 PM	6. Lv 10:25 AM Ar 6:30 PM	7. Lv 8:05 AM Ar 2:50 PM	8. Lv 7:15 AM Ar 12:50 PM
9. Lv 8:33 AM Ar 2:45 PM	10. Lv 6:27 AM Ar 5:33 PM	11. Lv 10:35 AM Ar 1:56 PM	12. Lv 11:12 AM Ar 12:56 PM

HOW MUCH LONGER?

Directions: Do the arithmetic neatly on your own paper and hand it in with this page.

1. Larry usually goes to the bank on his lunch hour on Friday. If he entered the bank at 12:07 pm and left the bank at 12:22 pm, how long did he stand in line at the bank?____________
2. Mary leaves for work at 6:50 am to avoid the bumper to bumper traffic on the freeway. She clocked in at work at 7:45 am. How long did it take her to get to work?____________
3. How long is Cindy's working day if she leaves home at 7:15 am and returns home at 6:05 pm?____________
4. William took Ann to the movies Saturday night. The movie started at 9:30 pm and let out at 11:12 pm. How long was the movie?____________
5. Pete and his friend left for the beach at 10:30 am. They left the beach at 2:30 pm to try and avoid traffic. They arrived back home at 3:19 pm. How many hours were they gone?____________
6. Pedro has a dentist appointment at 4:00 pm. What is the latest time he can leave work, and not be late, if his dentist is 35 minutes away from his job?____________
7. The Lopez family left home at 11:45 am to drive to Disneyland for the day. If it takes an hour and a half to get to Disneyland, at what time did the Lopez family arrive?____________
8. George decided to spend his vacation in the San Diego area. He left home at 5:15 am to get an early start. If his driving time to San Diego was 3 hours and 35 minutes, including a stop for breakfast, at what time did he arrive in San Diego?____________
9. Leticia is taking a class in the evening after work. The class begins at 6:00 pm. If she pulls out of the parking lot at work at 4:35 pm and drives to CSUN, 33 minutes away, will she have time for a stop at Taco Bell to grab a quick bite to eat if her stop requires at least 15 minutes?____________Why?____________________________
10. The Dodgers were involved in an extra inning ball game last night. The game started at 7:30 pm. Three hours and twenty-six minutes later the ball game ended. If Dan left his house at 6:15 pm to assure himself a good seat, what time did he leave the ball park?____________

SPRING VACATION - THIRD WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Read a mileage table.
Apply the D=RT formula.
Round to the nearest whole number.
Read a map.
Compute distance between two cities.

Activities:

Day 1 *Complete "Wild West" worksheet.*

Using an overhead transparency of the mileage table, demonstrate the reading of the table. Use problems similar to those on the worksheet as examples before the students begin the worksheet. It will be necessary to review distance equals rate times time and the formula's variations before the students attempt the last question. It is also necessary to review rounding a quotient to the nearest whole number.

Day 2 *Begin "California Traveling" worksheet...*

Using an overhead transparency of the map of California, cover the key, call off the names of the cities at random and ask for volunteers to match their location (letter) on the map. Explain to the students that the numbers on the map represent the mileage between two points. Demonstrate the reading of the map by using examples similar to the problems on the worksheet.

Day 3 *Complete "California Traveling" worksheet.*

Day 4 *Open Day*

Materials: *Ditto copies of:*

"Wild West" worksheet plus mileage table
"California Traveling" worksheet plus map

Overhead transparencies of:

"Wild West" - mileage table
"California Traveling" - map

WILD WEST

Name________________________________

Date________________Period__________

Directions: Use the "Wild West - Mileage Table" to answer the following questions:

1. How far is it from
   (a) Los Angeles to San Francisco?________
   (b) San Diego to Phoenix?________
   (c) Las Vegas to Seattle?________
   (d) Portland to Salt Lake City?________
   (e) Phoenix To Albuquerque?________
   (f) Denver to Los Angeles?__________

2. How far is it from
   (a) Seattle to Los Angeles via Salt Lake City?________
   (b) Phoenix to San Francisco via San Diego?________
   (c) Portland to Albuquerque via Los Angeles?________
   (d) Seattle to San Diego via Portland and Los Angeles?________

3. How much farther is it from San Diego to Las Vegas than Phoenix to Los Angeles?________

4. How much farther is it from San Francisco to Denver than Los Angeles to Seattle?________

5. How much farther is it from Phoenix to San Francisco than Salt Lake City to Los Angeles?________

6. If you were traveling 55 mph, how many hours (nearest whole number) would it take to go from:
   (a) Los Angeles to Las Vegas?________
   (b) Portland to Phoenix?________
   (c) Albuquerque to Seattle?________
   (d) Salt Lake City to San Diego?________
   (e) San Francisco to Los Angeles?________
   (f) San Francisco to San Diego?________

WILD WEST - MILEAGE TABLE

	Albuquerque	Denver	Las Vegas	Los Angeles	Phoenix	Portland	Salt Lake City	San Diego	San Francisco	Seattle
Albuquerque	-	449	591	820	460	1400	617	815	1109	1460
Denver	449	-	776	1066	909	1290	507	1264	1261	1350
Las Vegas	591	776	-	290	288	983	431	408	670	1158
Los Angeles	820	1066	290	-	393	1063	721	118	425	1238
Phoenix	460	909	288	393	-	1271	719	355	818	1446
Portland	1400	1290	983	1063	1271	-	783	1220	677	175
Salt Lake City	617	507	431	721	719	783	-	839	754	843
San Diego	815	1264	403	118	355	1220	839	-	543	1356
San Francisco	1109	1261	670	425	818	677	754	543	-	852
Seattle	1460	1350	1158	1238	1446	175	843	1356	852	-

CALIFORNIA TRAVELING

Name ____________________

Date ____________ Period ________

Directions: Use the map of California to answer the following questions:

1. How far is it from:

(a) Barstow to Needles? ________

(b) Eureka to Redding? ________

(c) El Centro to Blythe? _______

(d) Los Angeles to San Diego? _______

(e) Lake Tahoe to Yosemite? ________

(f) Bakersfield to Fresno? _________

2. How far is it from:

(a) Monterey to San Jose? ______

(b) Oakland to Santa Rosa? _____

(c) Stockton to Los Angeles? ___

(d) Los Angeles to Bakersfield? _____

(e) San Francisco to Santa Rosa? ____

(f) Los Angeles to Death Valley? ____

3. How far is it from:

(a) San Diego to Palm Springs via El Centro? _______

(b) Cresent City to Sacramento via Eureka and Redding? _______

(c) San Bernadino to San Luis Obispo via Los Angeles and Santa Barbara? _______

(d) Stockton to Fresno via Yosemite? _______

4. What is the shortest distance from Los Angeles to Yosemite? _______

5. What is the shortest distance from San Diego to Sacramento? _______

6. How much farther is it from Eureka to Redding than Monterey to San Luis Obispo? _______

7. The distance from Oakland to San Francisco is 11 miles using the bridge. How much farther is it from Oakland to San Francisco via San Jose? ______

8. How much farther is it from Los Angeles to Fresno via Bakersfield than San Bernardino to El Centro via Palm Springs? _______

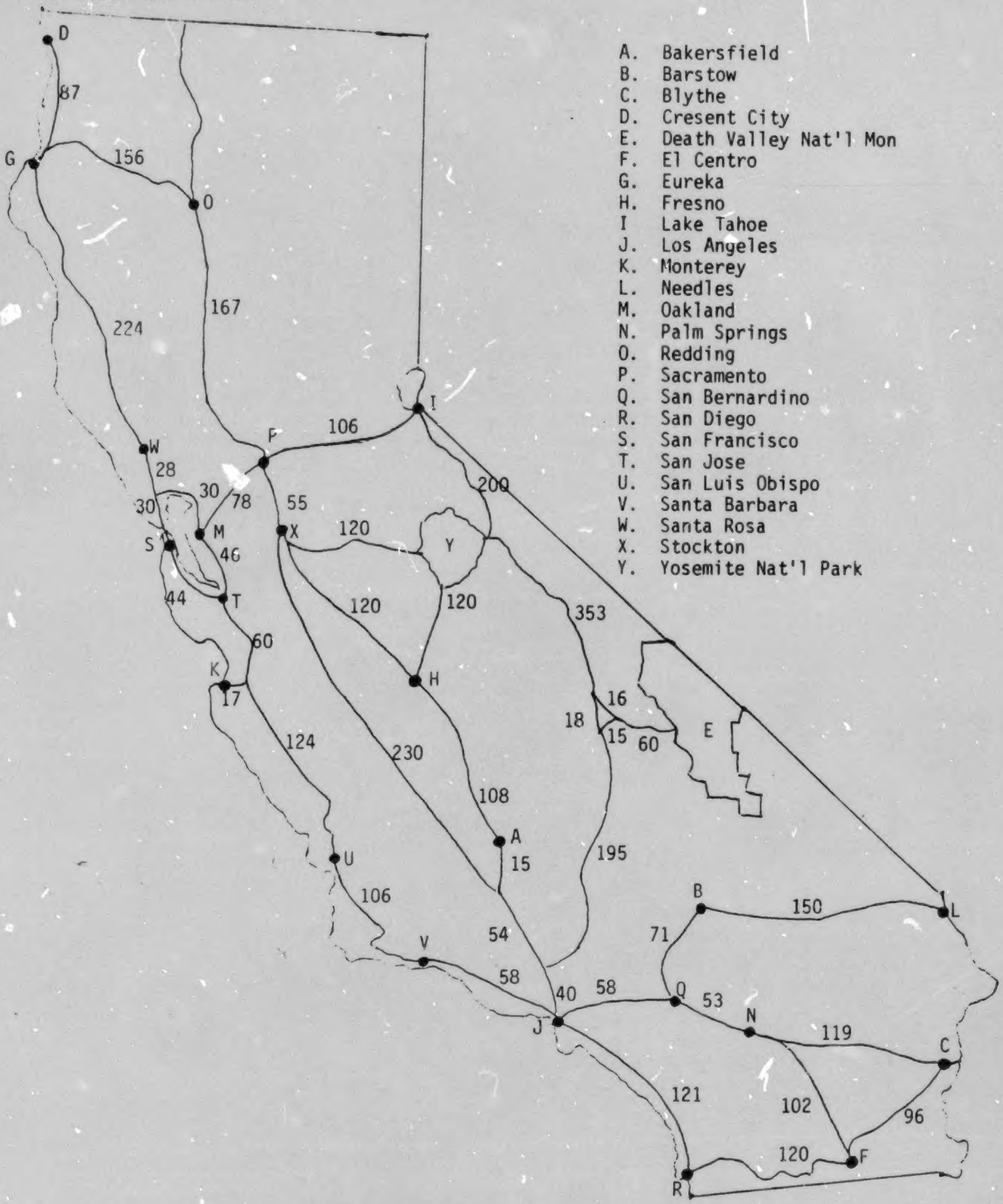
9. If you were traveling 55 mph, how many hours (nearest whole number) would it take to go from:

(a) Oakland to Erueka? _______

(b) Death Valley to Yosemite? _______

(c) Bakersfield to Stockton via Fresno? ________

CALIFORNIA TRAVELING


D
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G
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O
167
224
I
106
W
P
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30
78
55
200
30
M
X
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S
46
44
T
120
120
353
60
K
H
17
16
18
15
60
E
124
230
108
A
195
15
U
B
150
L
106
71
54
V
58
40
58
Q
53
J
N
119
C
121
102
96
120
F
R

A.	Bakersfield
B.	Barstow
C.	Blythe
D.	Cresent City
E.	Death Valley Nat'l Mon
F.	El Centro
G.	Eureka
H.	Fresno
I	Lake Tahoe
J.	Los Angeles
K.	Monterey
L.	Needles
M.	Oakland
N.	Palm Springs
O.	Redding
P.	Sacramento
Q.	San Bernardino
R.	San Diego
S.	San Francisco
T.	San Jose
U.	San Luis Obispo
V.	Santa Barbara
W.	Santa Rosa
X.	Stockton
Y.	Yosemite Nat'l Park

SV19

SPRING VACATION - FOURTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

- Reduce common fractions.
- Change fractions to percent.
- Convert fractions or percents to degrees of a circle.
- Use a protractor.
- Complete a circle graph using the information on a chart.
- Compute expenses for a vacation.

Activities:

Day 1 *Complete "Circle Graph 1" worksheet.*

Using an overhead transparency of the "Circle Graph 1" worksheet, lead the students through completion of the chart. Emphasize the fact that each column totals the equivalent of one whole: the fraction sum is one, the percent sum is 100% and the degree sum is 360. Demonstrate the use of a protractor to complete the circle graph. Once the chart and the circle graph are completed, have the students finish the worksheet.

Day 2 *Begin vacation choice...*

There are three vacation options that the students can choose from: San Diego, San Francisco or California camping. Teacher preparation is essential! The teacher, in the role of a travel agent, should discuss each trip with the class before the choice is made. Each student should choose one of the three vacations and then complete their expense chart.

Day 3 *Complete vacation choice. Begin "Circle Graph 2" worksheet...*

As each student completes their expense chart, the teacher should spot check the chart before having the student transfer the total costs of lodging, food and entertainment or camping supplies to the chart on the "Circle Graph 2" worksheet. The teacher needs to tell the student the current average price of a gallon of gas so the student can compute the total cost of gas for the trip. The teacher should be aware that the fractions, percents, and degrees probably will not compute easily, therefore have the student round off percents and degrees to the nearest whole number.

Day 4 *Complete "Circle Graph 2" worksheet.*

Once the student has completed the chart on the "Circle Graph 2" worksheet, the teacher should spot check the answers and totals. Now have the student complete the circle graph using a protractor.

Materials: *Ditto copies of:*

"Circle Graph 1" worksheets
"San Francisco Trip" worksheet plus map
"San Diego Trip" worksheet plus map
"California Camping" worksheet plus map
"Circle Graph 2" worksheet

Overhead transparencies of:

"Circle Graph 1" worksheet (first page)

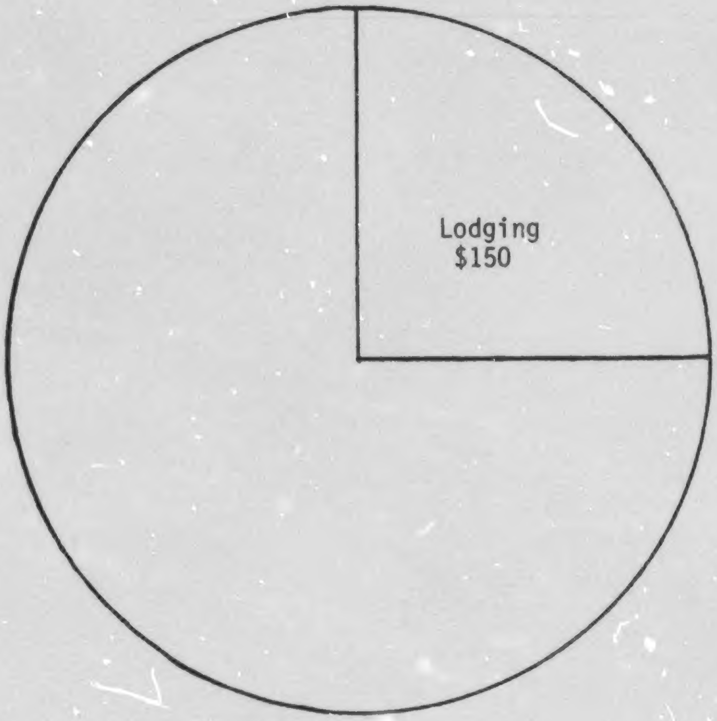
Class set of protractors

CIRCLE GRAPH 1

Name____________________________

Date________________Period______

TRIP EXPENSES



The trip costs $600 and lasts 6 days.

Expense	Cost	Fraction	Percent	Degree
Lodging	$150	$\frac{150}{600} = 1/4$	25%	90^0
Gas	$ 90			
Food	$180			
Car tune-up	$ 60			
Entertainment	$120			
Totals	$600	$\frac{600}{600} = 1$	100%	360^0

CIRCLE GRAPH 1

1. Complete the chart and circle graph.

2. What is the average daily cost spent on:

Entertainment? $__________

Food? $__________

Lodging? $__________

3. How much more is spent on food than gas?__________

4. Which two expenses total 1/2 of the cost of the trip?__________

5. Which expense is 200% of the gas?__________

6. What is the difference in cost between lodging and gas?__________

7. How much money is spent on transportation before and during the trip?

____

8. How long would it take to save for the trip if you could save $50 a week?

____

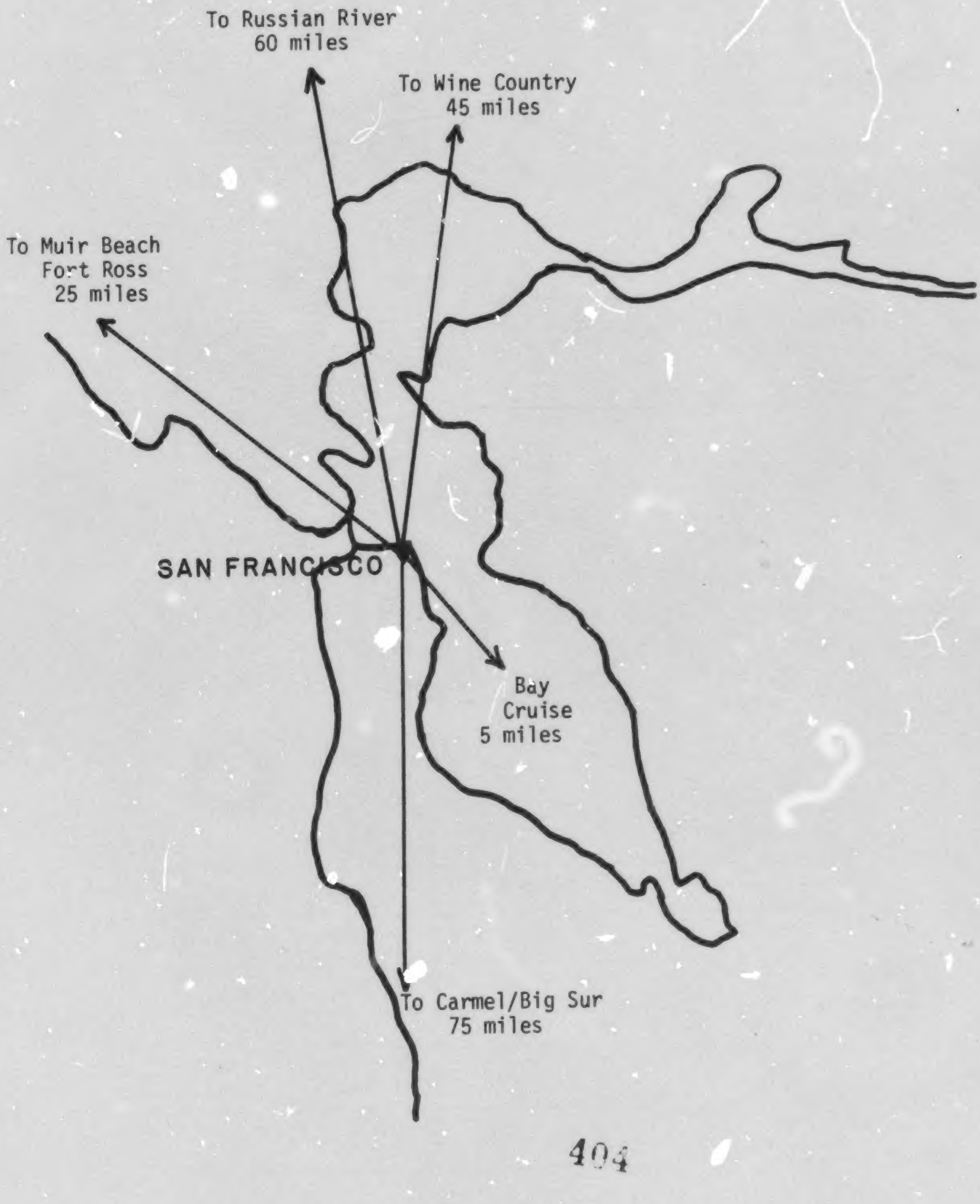
9. What would the new cost of the trip be if the old cost is increased by 10%?__________

10. What is 1/2 of the gas expense?__________

11. What is 1/3 of the entertainment expense?__________

12. What is 2/3 of the lodging expense?__________

SAN FRANCISCO TRIP


To Russian River
60 miles
To Wine Country
45 miles
To Muir Beach
Fort Ross
25 miles
SAN FRANCISCO
Bay
Cruise
5 miles
To Carmel/Big Sur
75 miles

SV24

SAN FRANCISCO TRIP

Name________________________________

Date________________Period__________

Use the map and entertainment expenses to fill in the chart below.

Entertainment expense includes, tickets, parking, souvenirs etc.

Day Trips

Destination	Expenses
Wine Country	$25
Russian River	$15
Muir Beach/Fort Ross	$12
Bay Cruise	$ 7
Carmel/Big Sur	$18

Lodging

Golden Gate Motel	$15 sgl occ
St. Christopher Hotel	$24 sgl occ

Food

Minimum/day	$12

City Tours

City Tour #1 $50 - (half-day)

Sausalito, Fishermans Wharf, Chinatown, Golden Gate Park, Lombard Street, Cable cars. (lunch included)

City Tour #2 $100 - (all day)

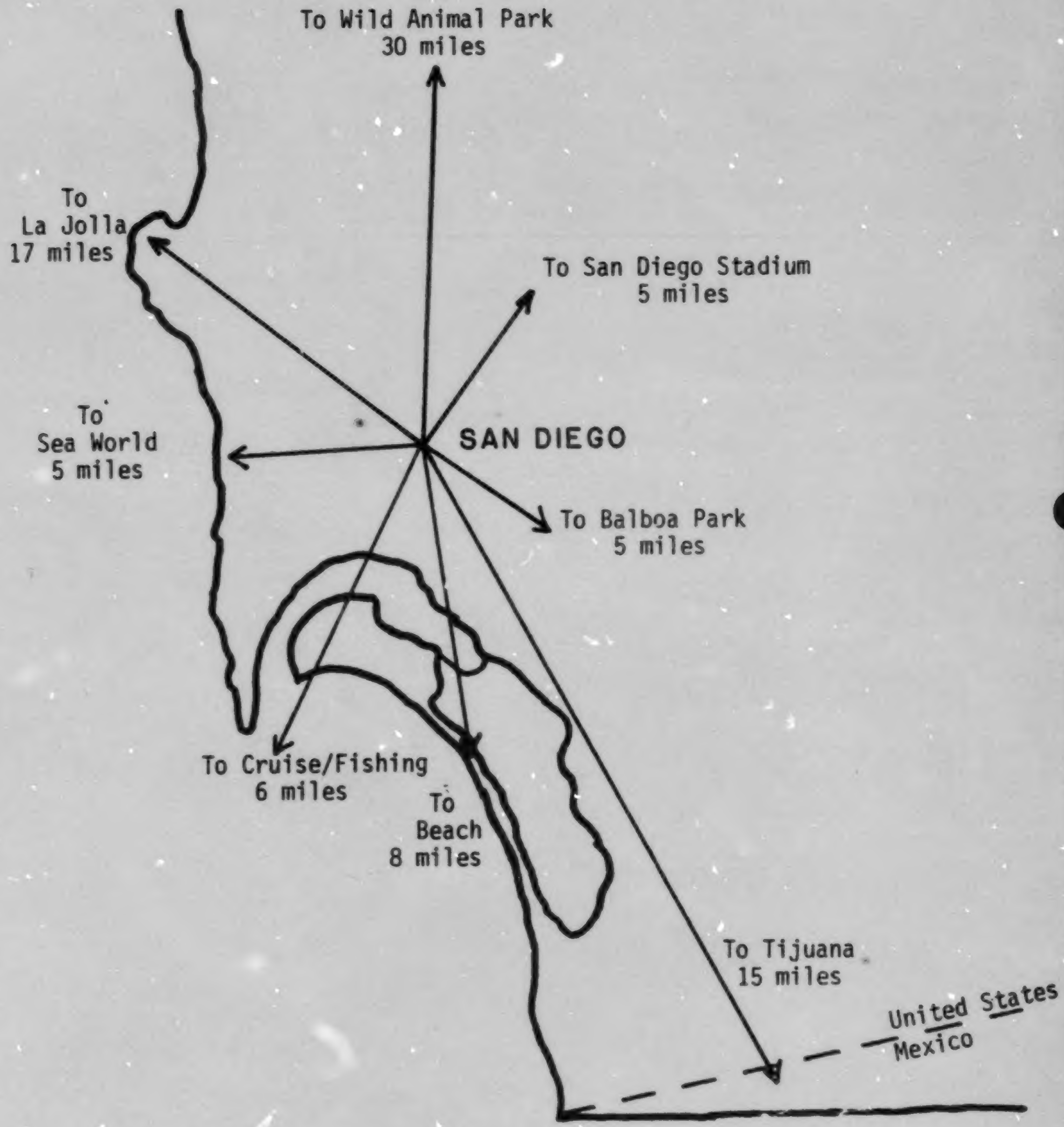
City Tour #1 plus theaters, Alcatraz Island, Bridge tour. (lunch included)

City Tour #3 $150 - (two days)

City Tour #1 and 2 plus Nob Hill, Union Square, Oakland, Telegraph Hill, North Beach, Coit Tower, Angel Island, Embarcadero, Presidro, Ghirardelli Square. (lunch included)

	Destination	Enter. Exp.	Mileage	Lodging	Food
	From LA to SF		425		
Day 1					
Day 2					
Day 3					
Day 4					
Day 5					
Day 6					
	From SF to LA		425		
	Totals				

SAN DIEGO TRIP


To Wild Animal Park
30 miles
To
La Jolla
17 miles
To San Diego Stadium
5 miles
To
Sea World
5 miles
SAN DIEGO
To Balboa Park
5 miles
To Cruise/Fishing
6 miles
To
Beach
8 miles
To Tijuana
15 miles
United States
Mexico

SV26

SAN DIEGO TRIP

Name________________________________

Date__________________Period________

Use the map and entertainment expenses to fill in the chart below.

Entertainment expense includes tickets, parking, souvenirs, etc.

Day Trips

Destination	Expenses
Wild Animal Park	$15
San Diego Stadium	$ 9
Balboa Park	$18
Tijuana	$25
Beach	$ 4
Cruise	$ 7
Sea World	$12
La Jolla	$ 8

Food

Minimum/day	$12

City Tours

City Tour #1	$50

San Diego Zoo, Naval Center, Museum

City Tour #2	$35

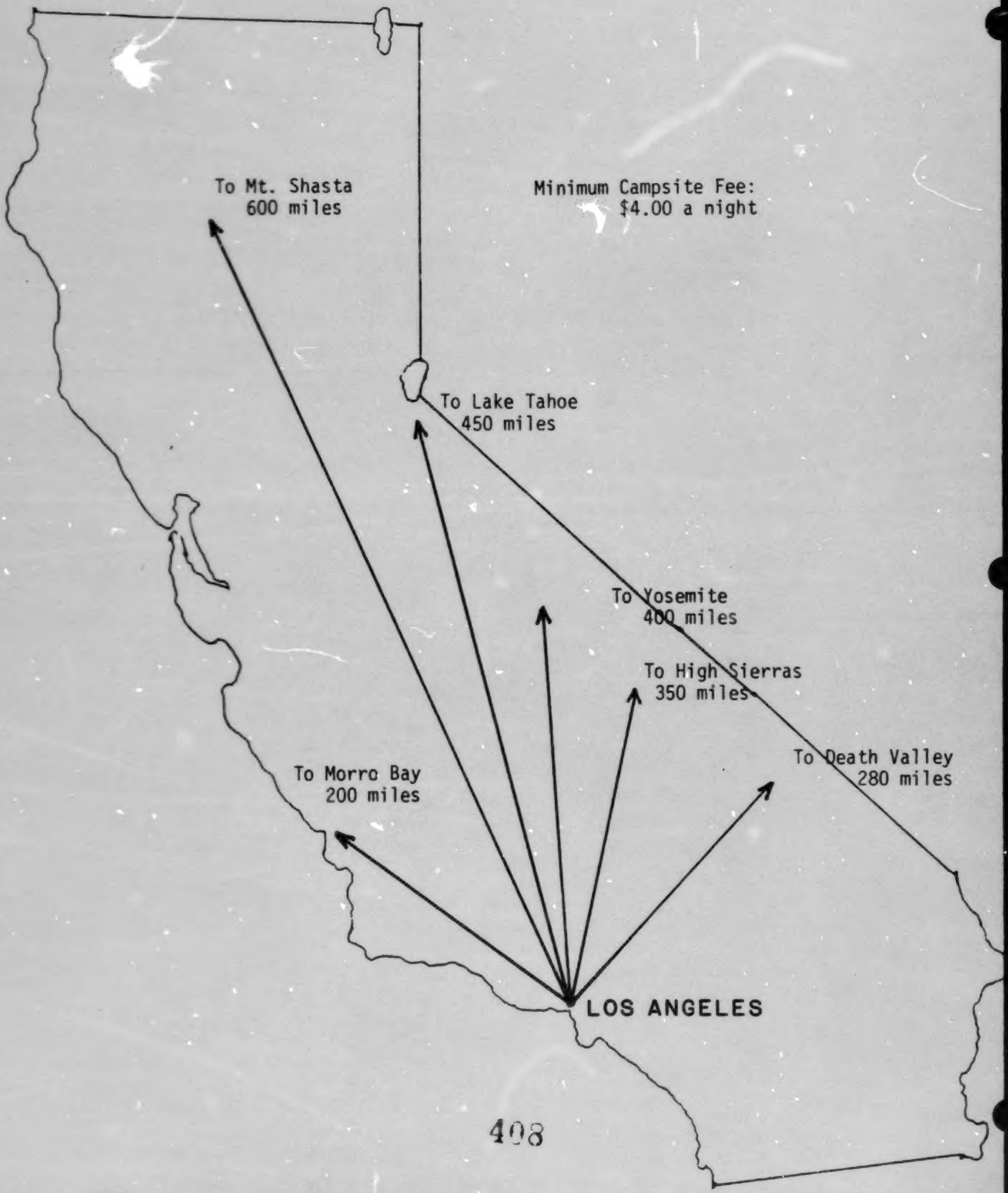
Scripps Institution of Oceanography, Old Town, Space Center

Lodging

Wave Motel	$16 sgl occ
Sea World Hotel	$24 sgl occ

	Destination	Enter. Exp.	Mileage	Lodging	Food
	From LA to SD		125		
Day 1					
Day 2					
Day 3					
Day 4					
Day 5					
Day 6					
	From SD to LA		125		
	Totals				

CALIFORNIA CAMPING


To Mt. Shasta
600 miles
Minimum Campsite Fee:
$4.00 a night
To Lake Tahoe
450 miles
To Yosemite
400 miles
To High Sierras
350 miles
To Death Valley
280 miles
To Morro Bay
200 miles
LOS ANGELES

SV28

CALIFORNIA CAMPING TRIP

Name________________________________

Date__________________Period_________

There are relatively few entertainment expenses, if any, when camping. There is however the expense of buying and maintaining the camping equipment. This expenditure will be recorded as "Entertainment/Camping" on your expense chart and graph. Use the map to decide on your destination. Then pick out some camping equipment fo fill in the chart below.

Camping Equipment:

sleeping bag	$24	wading boots	$19
stove	$29	hiking boots	$35
lantern	$19	back pack	$21
small tent	$24	fishing gear	$30
portable toilet	$15	binoculars	$39
bow with arrows	$60	flashlight	$10
camera	$75	ice chest	$15
cooking utensils	$25	radio	$49

Food minimum per day $9

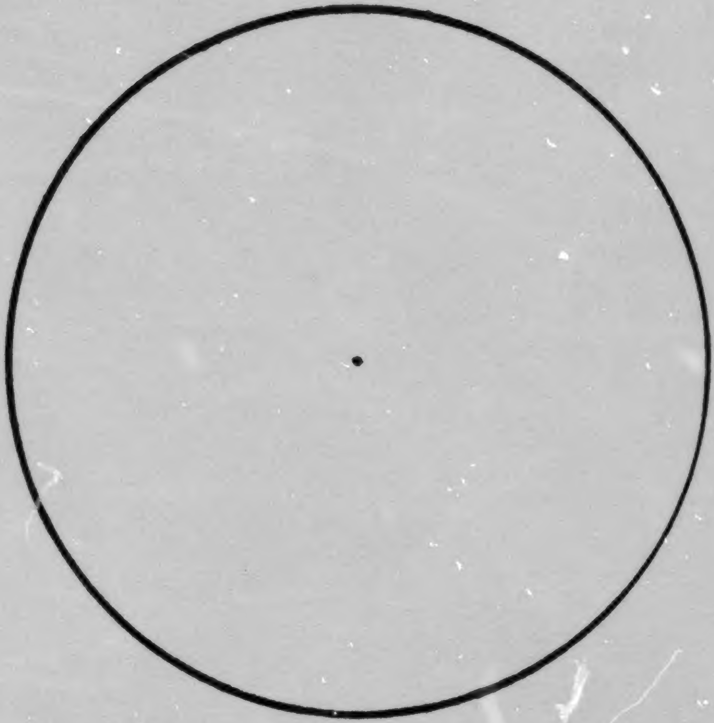
Destination	Camping Equipment		Mileage	Lodging	Food
From LA to______ ________________	Item	Cost			
Day 1					
Day 2					
Day 3 at Campsite					
Day 4					
Day 5					
Day 6					
From____________ __________ to LA					
Totals					

CIRCLE GRAPH 2

Name______________________________

Date________________Period_______

TRIP EXPENSES



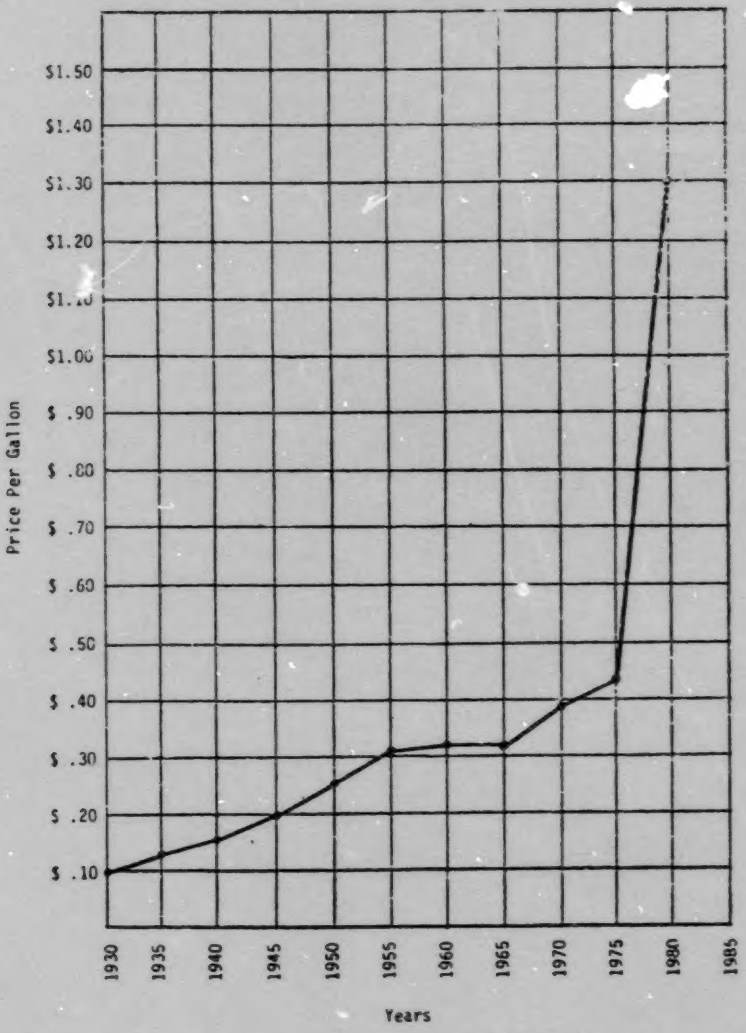
Expense	Cost	Fraction	Percent to nearest whole no.	Degree
Lodging				
*Gas				
Food				
Car tune-up	$60			
Entertainment/Camping				
Totals		—— = 1	100%	360°

*Gas cost is obtained by dividing total mileage by your cars' miles per gallon. Next multiply the answer by the average price of a gallon of gas.

GOING UP

Key pg. SV5

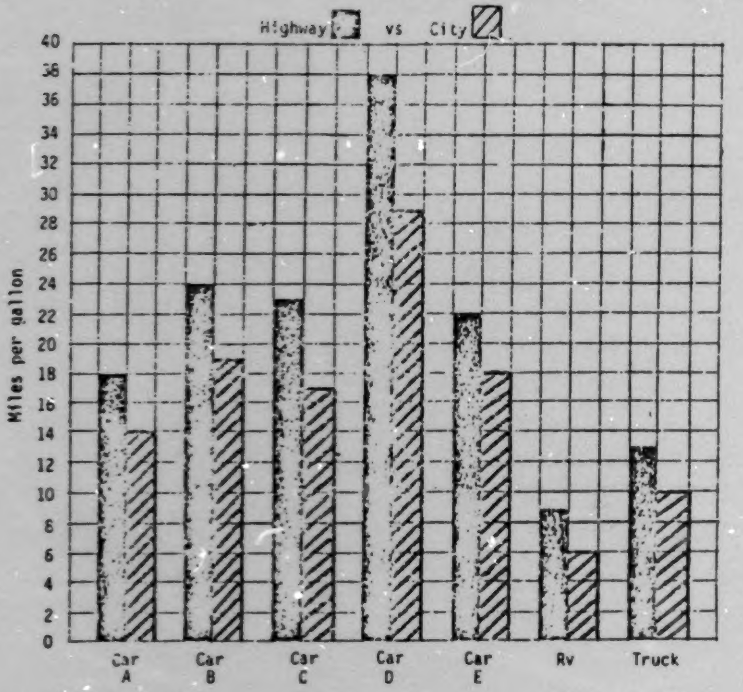
GASOLINE PRICES



TAKE TO THE HIGHWAY

Name Key pg. SV6

Date ______ Period ______



1. How many mpg does each vehicle get on the highway?
A 18 B 24 C 23 D 38 E 22 Rv 9 Truck 13

2. How many mpg does each vehicle get in the city?
A 14 B 19 C 17 D 29 E 18 Rv 6 Truck 10

3. What is the difference in mpg between highway driving and city driving for each vehicle?
A 4 B 5 C 6 D 9 E 4 Rv 3 Truck 3

4. What is the average highway mpg of the cars shown on the graph? 25
(Answer to the nearest whole number)

5. What is the average city mpg of the cars shown on the graph? 19
(Answer to the nearest whole number)

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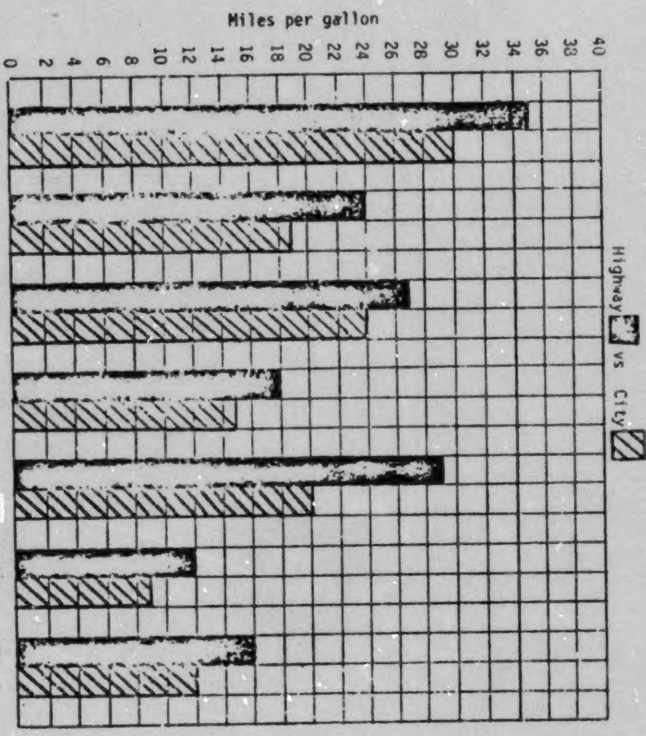
TAKE TO THE HIGHWAY

Key Pg. SV7



Draw a bar graph using the information in the chart.

MPG	Car A	Car B	Car C	Car D	Car E	Rv	Truck
Highway	35	24	27	18	29	12	16
City	30	19	24	15	20	9	12

SV7

SV8

OUT OF GAS?

Name Key pg. SV 8

Date ________________ Period ______

Directions: Compute the number of gallons used by dividing distance by mpg. Compare the number of gallons used to the number of gallons in your gas tank and answer "Did You run out of Gas?". Do the arithmetic neatly on your own paper and hand it in with this page.

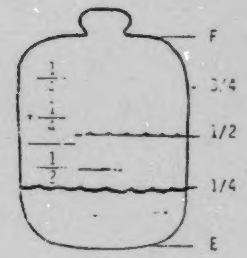
	Distance one way	Cars mpg	No. of gallons used	No. of gallons in your gas tank	Did you run out of Gas?
Los Angeles to El Centro	213	23	9.3	9.5	NO
San Fernando to Mammoth Lakes	293	32	9.2	8.9	YES
Pacoima to Disneyland and return	58	15	7.7	7.4	YES
Bakersfield to Yosemite	228	18	12.7	12.8	NO
Sylmar to Pomona and return	67	17	7.9	8.2	NO
Los Angeles to San Jose	348	28	12.4	12.1	YES
Santa Barbara to Palm Springs	169	19	8.9	9.7	NO
Pacoima to Red Rock Canyon and return	93	22	8.5	8.3	YES
Los Angeles to San Diego	121	24	5.0	5.4	NO
Pacoima to Zuma and return	42	19	4.4	4.1	YES

GAS UP 2

Name Key pg. SV10

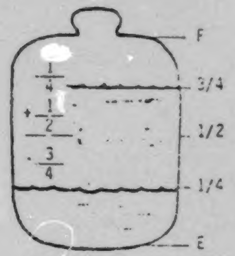
Date ________ Period ________

Directions: The gas tanks in the diagrams below indicate the amount of gas now in the tanks. Shade in the tank to show new gasoline level.



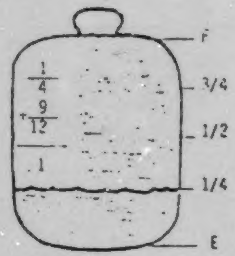
1/4
+ 1/4
1/2
F
3/4
1/2
1/4
E

12 gallon tank
Add 1/4 tank



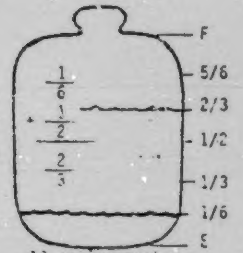
1/4
+ 1/2
3/4
F
3/4
1/2
1/4
E

12 gallon tank
Add 1/2 tank



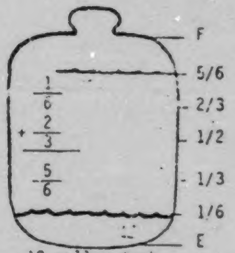
1/4
+ 9/12
1
F
3/4
1/2
1/4
E

12 gallon tank
Add 9 gallons



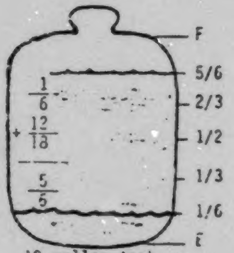
1/6
+ 1/2
2/3
F
5/6
2/3
1/2
1/3
1/6
E

18 gallon tank
Add 1/2 tank



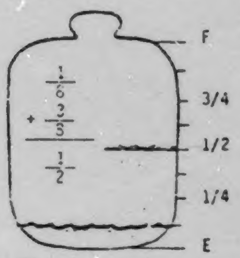
1/6
+ 2/3
5/6
F
5/6
2/3
1/2
1/3
1/6
E

18 gallon tank
Add 2/3 tank



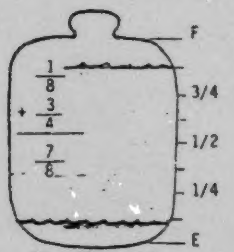
1/6
+ 12/18
5/6
F
5/6
2/3
1/2
1/3
1/6
E

18 gallon tank
Add 12 gallons



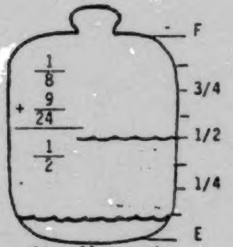
1/8
+ 3/8
1/2
F
3/4
1/2
1/4
E

24 gallon tank
Add 3/8 tank



1/8
+ 3/4
7/8
F
3/4
1/2
1/4
E

24 gallon tank
Add 3/4 tank



1/8
+ 9/24
1/2
F
3/4
1/2
1/4
E

24 gallon tank
Add 9 gallons

SV10

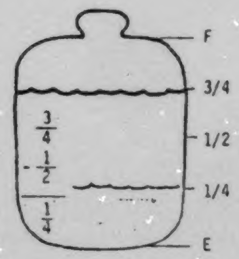
414

GAS UP 3

Name Key pg. SV12

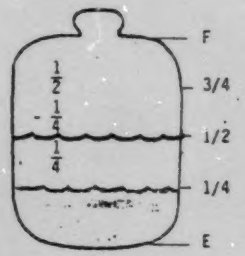
Date ________ Period ________

Directions: The gas tank in the diagrams below indicate the amount of gas now in the tanks. Shade in the tank to show new gasoline level.



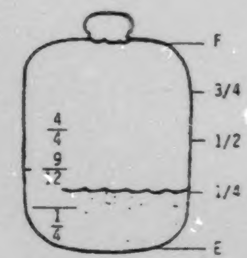
3/4
- 1/2
1/4
F
3/4
1/2
1/4
E

12 gallon tank
used 1/2 tank



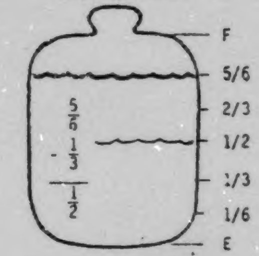
1/2
- 1/4
1/4
F
3/4
1/2
1/4
E

12 gallon tank
used 1/4 tank



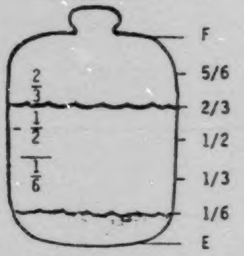
4/4
- 9/12
1/4
F
3/4
1/2
1/4
E

12 gallon tank
used 9 gallons



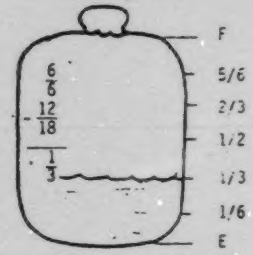
5/6
- 1/3
1/2
F
5/6
2/3
1/2
1/3
1/6
E

18 gallon tank
used 1/3 tank



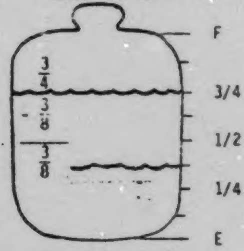
2/3
- 1/2
1/6
F
5/6
2/3
1/2
1/3
1/6
E

18 gallon tank
used 1/2 tank



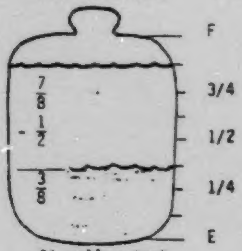
6/6
- 12/18
1/3
F
5/6
2/3
1/2
1/3
1/6
E

18 gallon tank
used 12 gallons



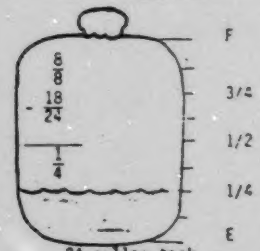
3/4
- 3/8
3/8
F
3/4
1/2
1/4
E

24 gallon tank
used 3/8 tank



7/8
- 1/2
3/8
F
3/4
1/2
1/4
E

24 gallon tank
used 1/2 tank



8/8
- 18/24
1/4
F
3/4
1/2
1/4
E

24 gallon tank
used 18 gallons

SV12

415

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SV33

HOW MUCH LONGER?

Name Key pg. SV13

Date ____________ Period ____

Directions: Subtract to find the difference in the travel times. You may need to borrow an hour before you subtract. (Remember: 1 hour = 60 minutes.)

1. 3:30 PM -2:15 PM 1 HR 15 MIN	2. 8:45 PM -3:15 PM 5 HR 30 MIN	3. 11:30 PM -5:15 PM 6 HR 15 MIN	4. 4:25 PM -1:05 PM 3 HR 20 MIN
5. 9:00 AM -6:50 AM 2 HR 10 MIN	6. 10:15 AM -7:30 AM 2 HR 45 MIN	7. 8:30 PM -6:45 PM 1 HR 45 MIN	8. 4:00 AM -3:26 AM 34 MIN
9. 3:05 AM -1:47 AM 1 HR 18 MIN	10. 6:42 PM -2:58 PM 3 HR 44 MIN	11. 12:00 N -8:33 AM 3 HR 27 MIN	12. 12:00 M -7:24 PM 4 HR 36 MIN

If you leave on a trip before noon (AM) and arrive after noon (PM), you can find the travel time in two steps.

Ex. You leave at 7:30 AM and arrive at 5:05 PM. To find the amount of time traveled before noon, subtract 7:30 AM from 12:00 noon. Add this result to the amount of time traveled after noon, 5 hours 5 minutes. Do the arithmetic neatly on your own paper because you should hand it in with this page.

Step 1: 12:00 Noon -7:30 AM 4:30 = 4 hour 30 min	Step 2: 4 hr 30 min +5 hr 05 min 9 hr 35 min

1. Lv 10:00 AM Ar 2:00 PM 4 HR	2. Lv 6:30 AM Ar 4:00 PM 9 HR 30 MIN	3. Lv 11:45 AM Ar 1:30 PM 1 HR 45 MIN	4. Lv 7:15 AM Ar 2:10 PM 6 HR 55 MIN
5. Lv 9:40 AM Ar 5:20 PM 7 HR 40 MIN	6. Lv 10:25 AM Ar 6:30 PM 8 HR 5 MIN	7. Lv 8:05 AM Ar 2:50 PM 6 HR 45 MIN	8. Lv 7:15 AM Ar 12:50 PM 5 HR 35 MIN
9. Lv 8:33 AM Ar 2:45 PM 6 HR 12 MIN	10. Lv 6:27 AM Ar 5:33 PM 11 HR 6 MIN	11. Lv 10:35 AM Ar 1:56 PM 3 HR 21 MIN	12. Lv 11:12 AM Ar 12:56 PM 1 HR 44 MIN

HOW MUCH LONGER?

Key pg. SV14

Directions: Do the arithmetic neatly on your own paper and hand it in with this page.

1. Larry usually goes to the bank on his lunch hour on Friday. If he entered the bank at 12:07 pm and left the bank at 12:22 pm, how long did he stand in line at the bank? 15 MIN.
2. Mary leaves for work at 6:50 am to avoid the bumper to bumper traffic on the freeway. She clocked in at work at 7:45 am. How long did it take her to get to work? 55 MIN.
3. How long is Cindy's working day if she leaves home at 7:15 am and returns home at 6:05 pm? 10 HR 50 MIN
4. William took Ann to the movies Saturday night. The movie started at 9:30 pm and let out at 11:12 pm. How long was the movie? 1 HR 42 MIN
5. Pete and his friend left for the beach at 10:30 am. They left the beach at 2:30 pm to try and avoid traffic. They arrived back home at 3:19 pm. How many hours were they gone? 4 HR 49 MIN
6. Pedro has a dentist appointment at 4:00 pm. What is the latest time he can leave work, and not be late, if his dentist is 35 minutes away from his job? 3:25 PM
7. The Lopez family left home at 11:45 am to drive to Disneyland for the day. If it takes an hour and a half to get to Disneyland, at what time did the Lopez family arrive? 1:15 PM
8. George decided to spend his vacation in the San Diego area. He left home at 5:15 am to get an early start. If his driving time to San Diego was 3 hours and 35 minutes, including a stop for breakfast, at what time did he arrive in San Diego? 8:50 AM
9. Leticia is taking a class in the evening after work. The class begins at 6:00 pm. If she pulls out of the parking lot at work at 4:35 pm and drives to CSUN, 33 minutes away, will she have time for a stop at Taco Bell to grab a quick bite to eat if her stop requires at least 15 minutes? YES Why? THE TIME IS ONLY 5:23 PM
10. The Dodgers were involved in an extra inning ball game last night. The game started at 7:30 pm. Three hours and twenty-six minutes later the ball game ended. If Dan left his house at 6:15 pm to assure himself a good seat, what time did he leave the ball park? 10:56 PM

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WILD WEST

Name Key pg S.V 16

Date ______ Period ______

Directions: Use the "Wild West - Mileage Table" to answer the following questions:

1. How far is it from
   (a) Los Angeles to San Francisco? 425 MI
   (b) San Diego to Phoenix? 355 MI
   (c) Las Vegas to Seattle? 1158 MI
   (d) Portland to Salt Lake City? 783 MI
   (e) Phoenix To Albuquerque? 460 MI
   (f) Denver to Los Angeles? 1066 MI
2. How far is it from
   (a) Seattle to Los Angeles via Salt Lake City? 1564 MI
   (b) Phoenix to San Francisco via San Diego? 898 MI
   (c) Portland to Albuquerque via Los Angeles? 1883 MI
   (d) Seattle to San Diego via Portland and Los Angeles? 1356 MI
3. How much farther is it from San Diego to Las Vegas than Phoenix to Los Angeles? 10 MI
4. How much farther is it from San Francisco to Denver than Los Angeles to Seattle? 23 MI
5. How much farther is it from Phoenix to San Francisco than Salt Lake City to Los Angeles? 97 MI
6. If you were traveling 55 mph, how many hours (nearest whole number) would it take to go from:
   (a) Los Angeles to Las Vegas? 5 HR
   (b) Portland to Phoenix? 23 HR
   (c) Albuquerque to Seattle? 27 HR
   (d) Salt Lake City to San Diego? 15 HR
   (e) San Francisco to Los Angeles? 8 HR
   (f) San Francisco to San Diego? 10 HR

CALIFORNIA TRAVELING

Name Key pg. SV 18

Date ______ Period ______

Directions: Use the map of California to answer the following questions:

1. How far is it from:
   (a) Barstow to Needles? 150 MI
   (b) Eureka to Redding? 156 MI
   (c) El Centro to Blythe? 96 MI
   (d) Los Angeles to San Diego? 121 MI
   (e) Lake Tahoe to Yosemite? 200 MI
   (f) Bakersfield to Fresno? 108 MI
2. How far is it from:
   (a) Monterey to San Jose? 77 MI
   (b) Oakland to Santa Rosa? 58 MI
   (c) Stockton to Los Angeles? 324 MI
   (d) Los Angeles to Bakersfield? 109 MI
   (e) San Francisco to Santa Rosa? 58 MI
   (f) Los Angeles to Death Valley? 310 MI
3. How far is it from:
   (a) San Diego to Palm Springs via El Centro? 222 MI
   (b) Cresent City to Sacramento via Eureka and Redding? 410 MI
   (c) San Bernadino to San Luis Obispo via Los Angeles and Santa Barbara? 222 MI
   (d) Stockton to Fresno via Yosemite? 240 MI
4. What is the shortest distance from Los Angeles to Yosemite? 337 MI
5. What is the shortest distance from San Diego to Sacramento? 500 MI
6. How much farther is it from Eureka to Redding than Monterey to San Luis Obispo? 15 MI
7. The distance from Oakland to San Francisco is 11 miles using the bridge. How much farther is it from Oakland to San Francisco via San Jose? 79 MI
8. How much farther is it from Los Angeles to Fresno via Bakersfield than San Bernardino to El Centro via Palm Springs? 62 MI
9. If you were traveling 55 mph, how many hours (nearest whole number) would it take to go from:
   (a) Oakland to Erueka? 5 HR
   (b) Death Valley to Yosemite? 8 HR
   (c) Bakersfield to Stockton via Fresno? 4 HR

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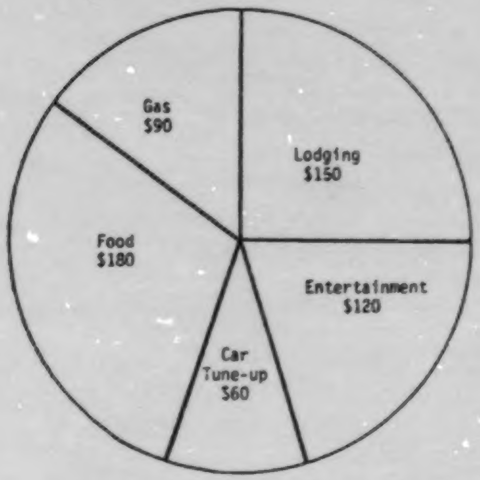
SV36

CIRCLE GRAPH 1

Name Key pg. SV22

Date________ Period______

TRIP EXPENSES



The trip costs $600 and lasts 6 days.

Expense	Cost	Fraction	Percent	Degree
Lodging	$150	$\frac{150}{600}$ = 1/4	25%	90°
Gas	$ 90	$\frac{90}{600}$ = 3/20	15%	54°
Food	$180	$\frac{180}{600}$ = 3/10	30%	108°
Car Tune-up	$ 60	$\frac{60}{600}$ = 1/10	10%	36°
Entertainment	$120	$\frac{120}{600}$ = 1/5	20%	72°
Totals	$600	$\frac{600}{600}$ = 1	100%	360°

CIRCLE GRAPH 1

Key pg SV 23

1. Complete the chart and circle graph.

2. What is the average daily cost spent on:

Entertainment? $ 20

Food? $ 30

Lodging? $ 25

3. How much more is spent on food than gas? $90

4. Which two expenses total 1/2 of the cost of the trip? Food and Entertainment

5. Which expense is 200% of the gas? Food

6. What is the difference in cost between lodging and gas? $60

7. How much money is spent on transportation before and during the trip? $150

8. How long would it take to save for the trip if you could save $50 a week? 12 weeks

9. What would the new cost of the trip be if the old cost is increased by 10%? $660

10. What is 1/2 of the gas expense? $45

11. What is 1/3 of the entertainment expense? $40

12. What is 2/3 of the lodging expense? $100

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TABLE OF CONTENTS - SPRING VACATION TESTS

Gas Tank Test . . . . TSV 1

Mileage Test . . . . TSV 2-3

Line Graph Test . . . . TSV 4-5

Answer keys to follow the tests.

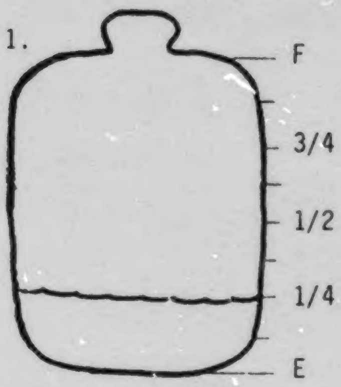
GAS TANK TEST

Name________________________________

Date____________________Period__________

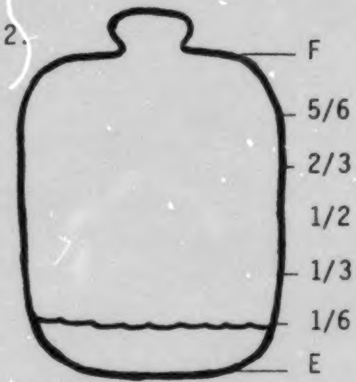
Shade in the tank to show the new gasoline level.

1.



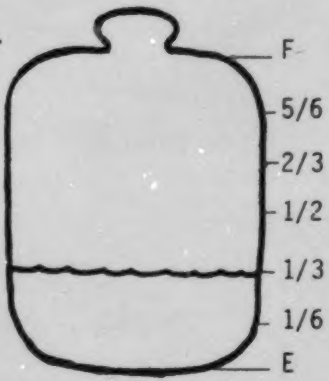
24 gallon tank
Add 3/8 tank

2.



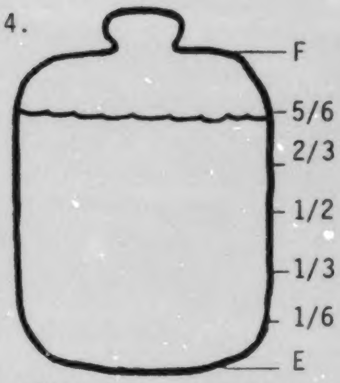
18 gallon tank
Add 1/3 tank

3.



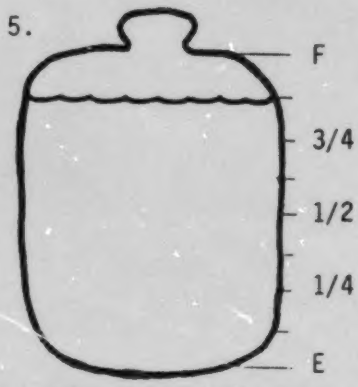
18 gallon tank
Add 6 gallons

4.



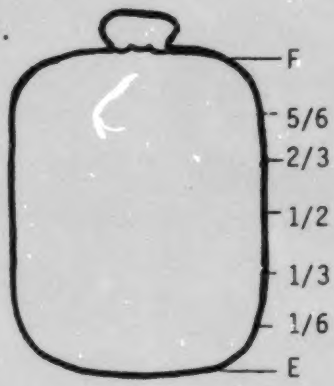
24 gallon tank
used 2/3 tank

5.



24 gallon tank
used 1/4 tank

6.



18 gallon tank
used 6 gallons

7. Mr. Garcia had 1/4 of a tank of gas left when he pulled into a gas station. He put 6 gallons of gas into his 12 gallon tank. What fraction of a tank of gas does he now have?_______________

8. Joseph filled the 18 gallon tank on his truck and drove his friends to the beach and back. If he used 6 gallons, what fraction of a gas tank does he have left?_____________

9. Susan had 7/8 of a tank of gas left in her 24 gallon tank when she left for San Jose. When she arrived in San Jose the gas gauge showed 1/4 of a tank. How many gallons did she use?_____________

MILEAGE TEST

Name_______________________________

Date____________________Period________

Directions: Use the mileage chart to answer the following questions:

1. How far is it from Los Angeles to Las Vegas?

A. 119 miles B. 412 miles C. 283 miles D. 465 miles

2. How far is it from Denver to Albuquerque?

A. 435 miles B. 444 miles C. 832 miles D. 103 miles

3. How far is it from San Diego to San Francisco via Los Angeles?

A. 531 miles B. 119 miles C. 412 miles D. 301 miles

4. How much farther is it from Los Angeles to Reno than from Los Angeles to San Francisco?

A. 465 miles B. 412 miles C. 877 miles D. 53 miles

5. How far is it from Los Angeles to Denver via Las Vegas and Salt Lake City?

A. 1283 miles B. 566 miles C. 1183 miles D. 1273 miles

6. If you were traveling 50 mph, how many hours would it take to go from Los Angeles to San Francisco?

A. 7 B. 8 C. 9 D. 6

7. How much farther is it from Los Angeles to Portland via Reno than from Los Angeles to Portland via San Francisco?

A. 1056 miles B. 56 miles C. 1001 miles D. 55 miles

Use the Quick Reference Mileage Table to answer the following questions:

8. How far is it from Los Angeles to New York?

A. 2886 miles B. 2838 miles C. 2011 miles D. 1898 miles

9. How far is it from New York City to Washington D.C.?

A. 989 miles B. 412 miles C. 224 miles D. 254 miles

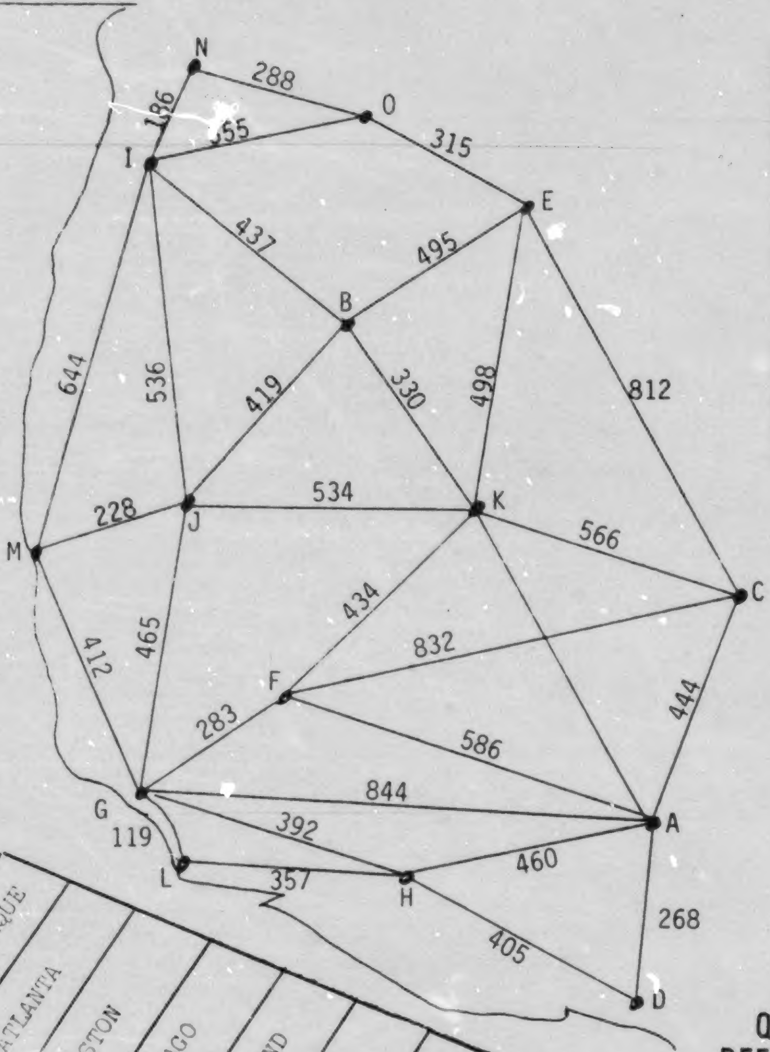
10. How far is it from Minneapolis to Los Angeles via Dallas?

A. 4344 miles B. 568 miles C. 558 miles D. 2529

11. How far is it from Minneapolis to Albuquerque via Chicago?

A. 2030 B. 1349 miles C. 460 miles D. 1709 miles

MILEAGE TEST



A. Albuquerque
B. Boise
C. Denver
D. El Paso
E. Helena
F. Las Vegas
G. Los Angeles
H. Phoenix
I. Portland
J. Reno
K. Salt Lake City
L. San Diego
M. San Francisco
N. Seattle
O. Spokane

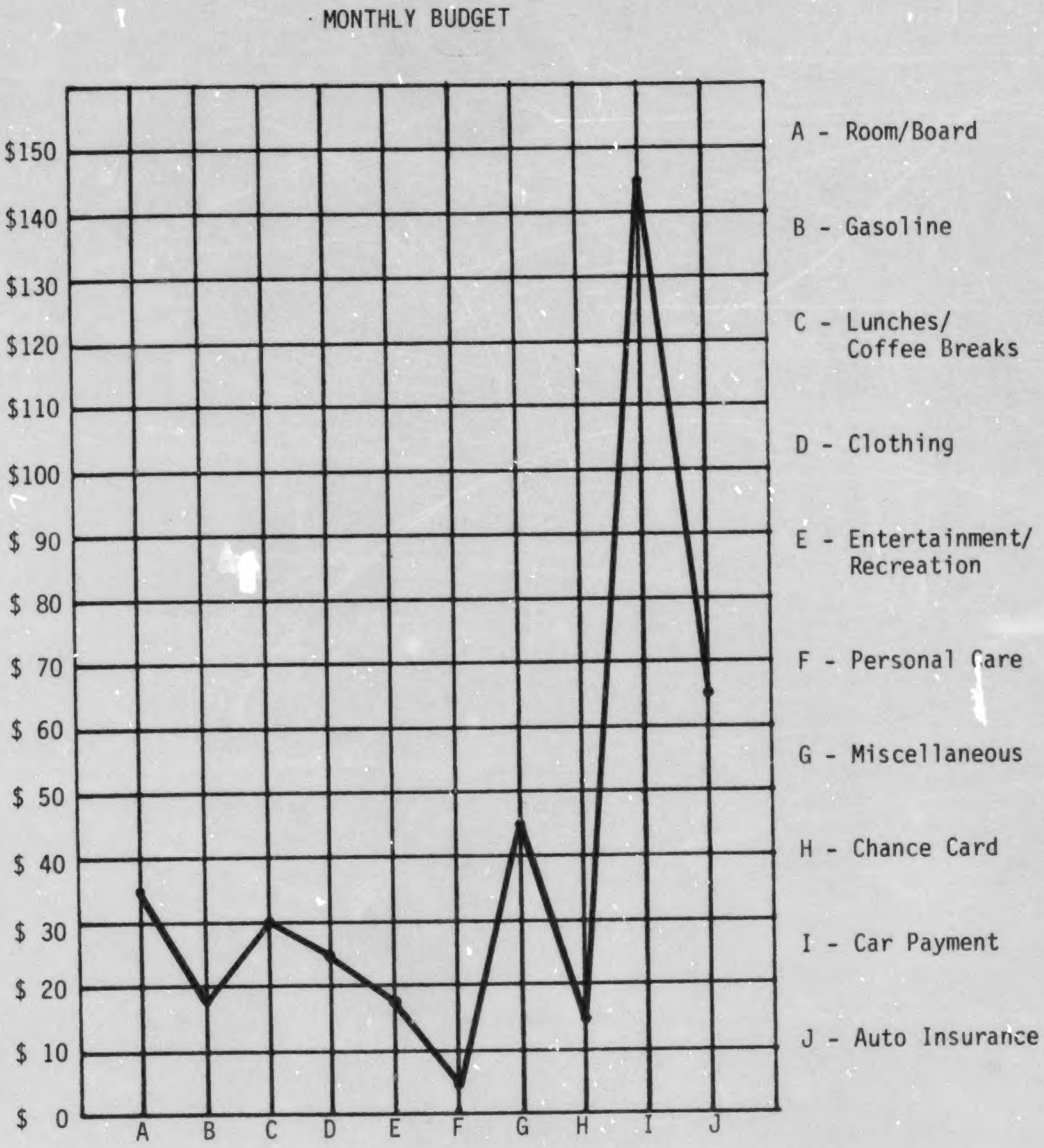
QUICK REFERENCE MILEAGE TABLE

	ALBUQUERQUE	ATLANTA	BOSTON	CHICAGO	CLEVELAND	DALLAS	DENVER	DETROIT	LOS ANGELES	MIAMI	MINNEAPOLIS	NEW ORLEANS	NEW YORK CITY	ST. LOUIS	SALT LAKE CITY	SAN FRANCISCO	SEATTLE
ATLANTA	1424																
BOSTON	2255	1072															
CHICAGO	1349	732	1005														
CLEVELAND	1619	739	639	348													
DALLAS	662	798	1808	932	1202												
DENVER	444	1474	2012	1041	1355	806											
DETROIT	1605	754	825	294	168	1189	1299										
LOS ANGELES	844	2271	3084	2194	2436	1506	1159	2449									
MIAMI	1994	666	1545	1398	1351	1334	2138	1420	2838								
MINNEAPOLIS	1255	1190	1416	411	759	1023	947	711	2064	1856							
NEW ORLEANS	1167	484	1584	954	1059	508	1309	1073	2011	883	1261						
NEW YORK CITY	2042	862	210	841	506	1597	1853	661	2886	1363	1220	1383					
ST. LOUIS	1054	622	1210	295	562	637	884	552	1898	1288	568	704	989				
SALT LAKE CITY	621	2047	2437	146[illegible]	[illegible]775	1283	566	1746	715	2612	1367	1786	2277	1452			
SAN FRANCISCO	1141	2547	3193	2212	2531	1793	1322	2502	412	3122	2123	2298	3033	2208	756		
SEATTLE	1452	2847	3112	2107	2431	2114	1366	2421	1163	3443	1698	2624	2924	2252	831	841	
WASHINGTON, D.C.	1919	644	434	704	369	1365	1734	524	2747	1124	1083	1128	224	940	2084	2835	2812

LINE GRAPH TEST

Name________________________________

Date____________________Period________



LINE GRAPH TEST

Directions: Use the line graph to answer the following questions.

1. Which item is the most expensive?

   A. Gasoline
   B. Auto Insurance
   C. Car Payment
   D. Room/Board

2. Which item is the least expensive?

   A. Personal Care
   B. Entertainment/Recreation
   C. Chance Card
   D. Clothing

3. Each vertical box is worth $__________.

   A. 5
   B. 1
   C. .10
   D. 10

4. What is the approximate total of expenses on the line graph?

   A. $400
   B. $200
   C. $600
   D. $500

5. The Car Payment and Auto Insurance is approximately _____% of the total expenses on the line graph.

   A. 30
   B. 40
   C. 50
   D. 60

6. What is the difference between the Miscellaneous and Personal Care expense?

   A. $45
   B. $40
   C. $50
   D. $25

7. What is the average cost of the Room/Board and Miscellaneous expenses?

   A. $80
   B. $10
   C. $40
   D. $55

8. What is the total expense for the car? Include all three car expenses.

   A. $257
   B. $227
   C. $207
   D. $237

9. What expense is approximately twice the expense of Entertainment/Recreation expenses?

   A. Room/Board
   B. Clothing
   C. Miscellaneous
   D. Chance Cards

10. The Personal Care expense is approximately_____% of the Clothing expense.

    A. 10
    B. 20
    C. 40
    D. 50

ANSWER KEYS TO SPRING VACATION TESTS

Gas Tank Test

See correctly filled out TSV1.

Mileage Test

1. C
2. B
3. A
4. D
5. B
7. D
8. A
9. C
10. D
11. A

Line Graph Test

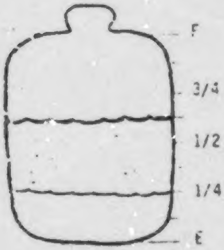
1. C
2. A
3. D
4. A
5. C
6. B
7. A
8. B
9. C
10. B

GAS TANK TEST

Name Key, Pg TSV 1

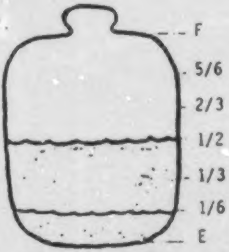
Date ______________ Period ______

Shade in the tank to show the new gasoline level.



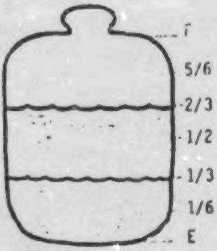
24 gallon tank
Add 3/8 tank

2.



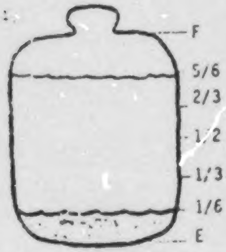
18 gallon tank
Add 1/3 tank

3.



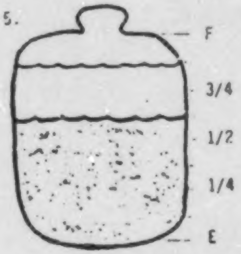
18 gallon tank
Add 6 gallons

4.



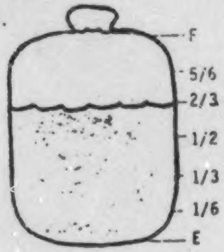
24 gallon tank
used 2/3 tank

5.



24 gallon tank
used 1/4 tank

6.



18 gallon tank
used 6 gallons

7. Mr. Garcia had 1/4 of a tank of gas left when he pulled into a gas station. He put 6 gallons of gas into his 12 gallon tank. What fraction of a tank of gas does he now have? 3/4

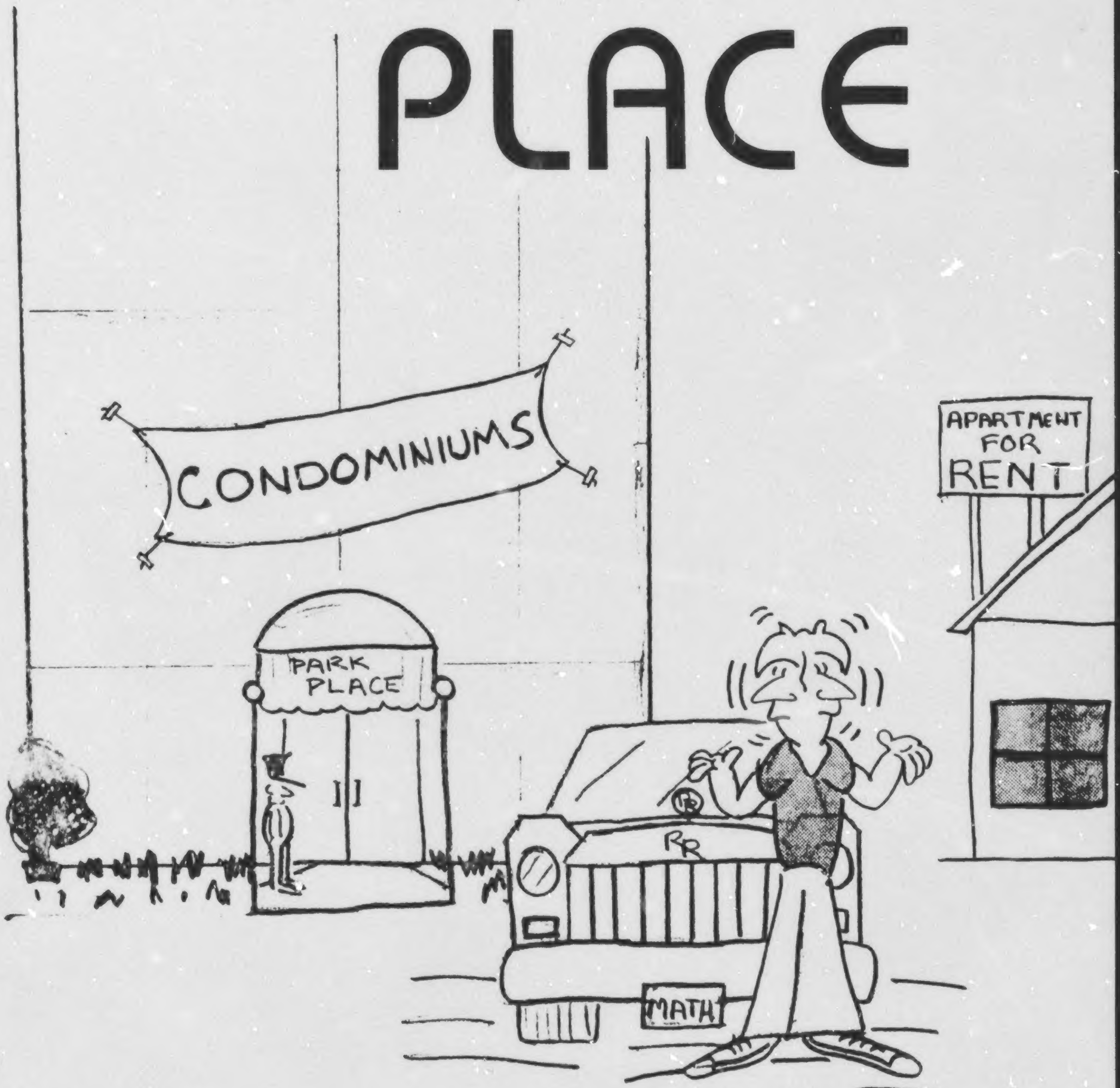
8. Joseph filled the 18 gallon tank on his truck and drove his friends to the beach and back. If he used 6 gallons, what fraction of a gas tank does he have left? 2/3

9. Susan had 7/8 of a tank of gas left in her 24 gallon tank when she left for San Jose. When she arrived in San Jose the gas gauge showed 1/4 of a tank. How many gallons did she use? 15

TSV1

BEST COPY AVAILABLE

FIRST PLACE


CONDOMINIUMS
PARK PLACE
APARTMENT FOR RENT
RR
MATH

FIRST PLACE - *Teacher's Introduction*

The first step is to find out in detail what is involved in renting an apartment. Pupils have a homework assignment to interview someone who is currently living in an apartment; for many, this may well be their own parents. Math takes a back seat when reading skills and imagination are needed to understand the classified ads for apartment rentals. However, math is handy when the question arises, "Can you afford the rent?". In this investigation, point out that location, size, type and condition all affect the rent charged. If pupils decide that two or more of them will share apartment costs, there could be an arbitrary requirement for a two-bedroom unit.

Next, familiarity with one's own neighborhood is important - not only the available housing, but also the location of stores, libraries, banks, the police station, etc. At this point, practice in using a local street map and a map of a large area are logical exercises. Obviously, the "City Street Search" and the "Valley Street Search" worksheets require rewriting for the actual street names and points of interest around your school.

Other lessons deal with the realities of signing binding agreements, first and last months' rent and cleaning and security deposits. Included in the worksheets are blank checks for the students to pay these amounts.

Next, the students will search the local newspapers for affordable housing. It is recommended that one week's net pay be used as the basis for figuring the approximate amount of monthly rent that one can afford. Students are required to choose an apartment suitable to their income.

There is more to living in your own apartment than just paying rent. Worksheets on paying utilities and furnishing an apartment are included. FIRST PLACE concludes with worksheets on budgeting the students' monthly income. This unit is built around a very expandable theme, and it is a logical introduction to future courses in family living and consumer education.

The open week which follows the end of this unit allows time to finish any incomplete assignments. Now is also a good time to do a repeat lesson on the "Grocery Shopping" worksheet in the first week of SHOPPING, to show the increase or decrease in the cost of certain items over the past year.

FIRST PLACE - CHRONOLOGY

	DAY 1	DAY 2	DAY 3	DAY 4	
WEEK 1	Discuss variables of of renting an apartment. Read and interpret the "List of Abbreviations for Apartment Renters".	Complete "Apartment Info" worksheet. *School*	Complete "Apartment Ads 1" worksheet. *Week #35*	Discuss "Investigating Apartment Living" homework. Complete "Apartment Ads 2" worksheet.	PAYDAY
WEEK 2	Begin "City Street Search" worksheet.	Complete "City Street Search" worksheet. Begin "Valley Street Search" worksheet. *School*	Complete "Valley Street Search" worksheet. *Week #36*	Complete "Paying Rent 1" worksheet.	PAYDAY
WEEK 3	Complete "Paying Rent 2" worksheet.	Begin "Apartment Search" worksheet. *School*	Complete "Apartment Search" worksheet. Begin "Apartment Choice" worksheet. *Week #37*	Complete "Apartment Choice" worksheet.	PAYDAY
WEEK 4	OPEN DAY	Complete "Rental Lease" form. *School*	Complete "Utilities 1" worksheet. *Week #38*	Complete "Utilities 2" worksheet.	PAYDAY
WEEK 5	Begin "Budget 1" worksheet.	Complete "Budget 1" worksheet. Begin "Budget 2" worksheet. *School*	Complete "Budget 2" worksheet. *Week #39*	Complete "Apartment Furnishings" worksheet.	PAYDAY

FIRST PLACE - FIRST WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Demonstrate familiarity with standard abbreviations used in classified apartment ads.
Define words relating to an apartment.
Rewrite an apartment ad without using any abbreviations.
Conduct an interview.

Activities:

Day 1 *Discuss variables of renting an apartment. Read and interpret the "List of Abbreviations for Apartment Renters".*

Discuss the factors involved in choosing an apartment: location, amount of rent and deposits, appearance, size and special features. Using an overhead transparency of the "List of Abbreviations for Apartment Renters", expose one abbreviation at a time (without its meaning), and have the students guess the term. Once the teacher has completed the list of abbreviations, hand out a ditto copy of the list to each student to use in future lessons. Hand out "Investigating Apartment Living" homework. Ask the students to have the assignment completed by Day 4 of this week, so it can be used in a class discussion. For best results have the students interview a relative or friend of the family. This interview could be conducted over the telephone.

Day 2 *Complete "Apartment Info" worksheet.*

There are various means of completing the "Apartment Info" worksheet; using a class set of dictionaries, using class volunteers, using team work or having the students complete the worksheet individually. Particular attention should be given to rewriting the apartment ad, because this lesson leads directly to the next two days' work.

Day 3 *Complete "Apartment Ads 1" worksheet.*

Using the list of abbreviations, have the students complete the "Apartment Ads 1" worksheet.

Day 4 *Discuss "Investigating Apartment Living" homework. Complete "Apartment Ads 2" worksheet.*

Lead a class discussion using the results of the students' "Investigating Apartment Living" interviews. Emphasize the amount of rent, the amount of cleaning and security deposits and if a lease was signed. Have student volunteers read the results of their interview for questions 16, 17 and 18. At the conclusion of the discussion, hand out the "Apartment Ads 2" worksheet.

Have the students read the three apartment ads and match the description to the ad.

Materials: *Ditto copies of:*

"List of Abbreviations for Apartment Renters"
"Investigating Apartment Living" homework (2 pages)
"Apartment Info" worksheets
"Apartment Ads 1" worksheets
"Apartment Ads 2" worksheet

Overhead transparencies of:

"List of Abbreviations for Apartment Renters"

Class set of dictionaries (optional)

LIST OF ABBREVIATIONS FOR APARTMENT RENTERS

a/c	air conditioning
aft	after
appl	appliances
appt	appointment
attc gar	attached garage
Ave	Avenue
ba	bath
bach	bachelor
bckyd	backyard
bltins	built-ins
br *or* bdr	bedroom
BKR	broker
bldg	building
Blvd	Boulevard
c/air	central air
cable tv	cable television
ceil	ceilings
cent a/c	central air conditioning
cent heat	central heating
cl dep	cleaning deposit
condo	condominium
conv loc	convenient location
covr'd	covered
cpt *or* crpt	carpet
cust	custom
dbl gar	double garage
dep	deposit
din rm	dining room
din & bkfast	dining room and breakfast area
disp	disposal
dplx	duplex
drps	drapes
dw	dishwasher
elec	electric
eves	evenings
F A/heat	forced air/heat
fam rm	family room
flex fin	flexible finance
form din	formal dining room
fp *or* fpl *or* frplc	fireplace
furn *or* furn'd	furnished
fwy	freeway
gar	garage
gst rm	guest room
hrdwd flrs	hardwood floors

htd pool	heated pool
immac	immaculate
jac	jacuzzi
kit *or* ktch	kitchen
lg	large
lndry rm *or* laund rm	laundry room
lo dn	low down
loc	location
lse opt	lease option
lux	luxurious
mgmt	management
mgr	manager
mirr	mirrors
mo	monthly
nr	near
nu	new
pd	paid
penthse	penthouse
ph	phone
pkg *or* pkng *or* prkg	parking
p/p	private party
pvt ent	private entrance
pymnt	payment
rec rm	recreation room
ref *or* refrig	refrigerator
refs req	references required
remod	remodeled
req	required
rm	room
sec bldg	secured building
sec dep	security deposit
sing *or* sgl	single
spac	spacious
St	Street
sub parkg	subterranean parking
sunk ba	sunken bath
t crt	tennis court
twn hse	townhouse
2 sty	two story
unfurn	unfurnished
utils pd	utilities paid
vu	view
w/	with
w/w	wall to wall carpet
xlnt terms	excellent terms
yd	yard
yr	year

INVESTIGATING APARTMENT LIVING

Name____________________________________

Date due________________Period_________

Write in the correct answer.

1. Name of person being interviewed____
2. Address of his/her apartment____
   ____
3. Size of apartment: Bachelor, 1 bedroom, 2 bedroom________________________
4. Did you have to sign a lease?______If yes, for how long?________________
5. Did you have to pay a cleaning deposit?______If yes, how much?__________
6. Did the manager want a security deposit?______If yes, how much?_________
7. What is your rent per month?_____________
8. Do you have an assigned parking space?______If yes, is it covered_______
9. Does your apartment have a swimming pool?______If yes, do you use it?___
10. Does your apartment have a built-in air conditioner?______If yes, is it adequate?______
11. Is your apartment heated by gas or by electricity?______________________
12. Do you have a gas stove or an electric stove?___________________________
    Is it built-in?______
13. Do you have a dishwasher?______
14. Do you have a laundry room in the apartment house?______If yes, how much do they charge for the washing machine?_______How much do they charge for the dryer?_______
15. Utilities
    a. Is the water included in the rent?______If not, how much is your average monthly expense for water?______________

b. Is the gas included in the rent?_____ If not, how much is your average monthly expense for gas?____________________

c. Is the electricity included in the rent?_____ If not, how much is your average monthly expense for electricity?____________________

16. What do you like about living in an apartment?____________________

17. What do you dislike about living in an apartment?____________________

18. If you had a choice, would you live in your apartment or move to a house?______________ Why?____________________

APARTMENT INFO

Name________________________________

Date________________Period__________

Directions: Choose the word from below that best fits each definition and fill in the blank.

- appliance
- deluxe
- adjacent
- cul-de-sac
- fixtures
- furnished
- utilities
- tenant
- economical
- spacious
- custom
- kitchenette
- access
- renovated
- available

__________________ 1. person paying rent

__________________ 2. an instrument or device for a particular use, such as refrigerators

__________________ 3. next to

__________________ 4. a street closed at one end

__________________ 5. companies that perform a public service; gas, electric, and water

__________________ 6. made to order

__________________ 7. things firmly fastened in place

__________________ 8. restored to good contition

__________________ 9. part of a room fixed up as a small kitchen

__________________10. of exceptionally good quality

__________________11. thrifty

__________________12. way to enter, means of approach

__________________13. with plenty of room

__________________14. suitable or ready for use

__________________15. supplied with necessary appliances and furniture

APARTMENT INFO

Direction: Write the meaning of each abbreviation.

1. sgl ______________________
2. vu ______________________
3. rec rm ______________________
4. appt ______________________
5. furn ______________________
6. bach ______________________
7. lux ______________________
8. utils pd ______________________
9. ba ______________________
10. w-w ______________________
11. a/c ______________________
12. conv loc ______________________
13. bdr ______________________
14. sec bldg ______________________
15. disp ______________________
16. mgr ______________________

Rewrite the apartment advertisement below without using any abbreviations.

> Burbank, bach, all elec, furn, lndry
> rm, rec rm, covr'd pkg, utils pd,
> $100 sec dep, $75 cl dep, $245, eves
> aft 6. 213/945-6116

Location of Rental ______________________ Size of Rental ______________________

Amount of Rent ______________________ Telephone ______________________

Special Features ____

____

____

____

APARTMENT ADS 1

Name____________________

Date__________Period______

For each apartment advertisement below, rewrite the ad without using any abbreviations (refer to "List of Abbreviations for Apartment Renters").

1.

Pacoima, spac, 2 bdr, 2 ba, unfurn, refr, w-w, drps, disp, pool, sec bldg, nr fwy,
$385 213/896-8686

Location of Rental____________Size of Rental____________

Amount of Rent____________Telephone____________

Special Features________________________

2.

West L.A., lg single, dw, jac, htd pool, pvt patio, gas bltins, cpts/drps, no pets, furn, lo move in costs, $480, 213/477-4639

Location of Rental____________Size of Rental____________

Amount of Rent____________Telephone____________

Special Features________________________

APARTMENT ADS 1

3.

North Hollywood, 1 bd, a/c, nu
mgmt, remod, bltins, unfurn, conv
loc, cl dep, sec dep,
$355, 213/989-4321

Location of Rental____________________ Size of Rental____________________

Amount of Rent____________________ Telephone____________________

Special Features____

4.

Santa Monica, lux, 2 bd, 2 ba,
condo, bltins, sec bldg, furn, nr
beach, fp, refs req, pvt ent, no
pets, BKR by appt,
$930, 213/394-5678

Location of Rental____________________ Size of Rental____________________

Amount of Rent____________________ Telephone____________________

Special Features____

APARTMENT ADS 2

Name________________________________

Date________________Period__________

Read the following ads. Write the letter of the ad that fits each description.

A	B	C
Eagle Rock, sing, furn, disp, w-w, drps, sec bldg, pool, jac, utils pd, prkg, nu mgr, 1 person, $325 213/254-9862	Baldwin Hills, lg 1 bd, dplx, imac, adults only, conv loc, cl & sec dep, p/p, eves aft 6 $315 213/889-2468	West Hollywood, spac 2 bd, 2 ba, form din, all elec bltins, dw, unfurn, a/c, nr fwy, T crt, pvt ent, no pets, 1 child ok, $550 213/829-2843

Is a duplex____________________

Has an all electric kitchen______

Allows one child________________

Is the least expensive__________

Is near a freeway_______________

Has no bedroom__________________

Is adults only__________________

Is the most expensive___________

Is furnished____________________

Has a dishwasher________________

Is in immaculate condition_______

Requires a cleaning deposit______

Has two bedrooms________________

Is in a secured building______________

Call in the evenings__________________

Has a formal dining roon_____________

Has swimming facilities______________

Has built-ins________________________

Has a convenient location____________

Utilities are paid___________________

No pets allowed______________________

Has carpets and drapes_______________

Has a parking space__________________

Has a tennis court___________________

Has air conditioning_________________

Has a private entrance_______________

FIRST PLACE - SECOND WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Locate a specific grid on a map.
Read and interpret a street index.
Locate on a map, the grid of a given street address.
Give directions from one location to another location.
Compute monies for renting an apartment.

Activities:

Day 1 *Begin "City Street Search" worksheet...*

Using the "City Street Search" worksheet as a format, change the locations to ones suitable for your area. Using a class set of local city street maps, complete the worksheet. Introduce the skills required for each section separately: locating grids, using the street index, locating a street address and giving directions.

Day 2 *Complete "City Street Search" worksheet. Begin "Valley Street Search" worksheet...*

The only difference between the "City Street Search" worksheet and the "Valley Street Search" worksheet is that it covers a larger area. If your city is a suburb of a large metropolis, use the "Valley Street Search" worksheet as a format and change the locations to ones suitable for your area. If your city is not a suburb, it will be necessary to change the worksheet to apply to an area map or a map of a large city nearby.

Day 3 *Complete "Valley Street Search" worksheet.*

Day 4 *Complete "Paying Rent 1" worksheet.*

This worksheet introduces the idea of the initial expenses involved with moving into an apartment. Lead a class discussion emphasizing the following items: paying first and last months' rent, paying a security deposit, paying a cleaning deposit and the reasons for these costs. Also provided in the lesson are two checks with stubs, to help maintain the skills previously learned. Tell the students to bring in the classified ads section of their local newspaper for next week's lesson. The Sunday edition has a good selection.

Materials: *Ditto copies of:*

"City Street Search" worksheet
"Valley Street Search" worksheet
"Paying Rent 1" worksheets

Class set of local city street maps
Class set of local area maps

CITY STREET SEARCH

Name____________________________

Date______________Period__________

A. Name the school, park, or building located in the following grids:

1. H6____________________________
2. C5____________________________
3. E5____________________________
4. G6____________________________
5. E2½____________________________
6. D1____________________________
7. A4____________________________
8. F7____________________________

B. Name the grid for each of the following intersections:

1. Roscoe & Arleta________________
2. Branford & Beachy______________
3. Chamberlain & Laurel Canyon_____
4. Louvre & Bradley________________
5. Glenoaks & Tyler______________
6. Osborne & Norris______________
7. Rayen & Kester________________
8. Laurel Canyon & Wicks________

C. Name the grid for each of the following street addresses:

1. 16103 Devonshire________________
2. 427 North Maclay________________
3. 13012 Osborne___________________
4. 9229 Haskell____________________
5. 13200 Pierce__________________
6. 11900 Bromont_________________
7. 16853 Paulette________________
8. 9919 Laurel Canyon___________

D. Explain how to get to your house going north on the San Diego Freeway (Route 405) from Los Angeles International Airport.________________________

____

____

____

____

____

VALLEY STREET SEARCH

Name______________________________

Date_______________Period________

A. Name the city or community located in the following grids:

1. G17__________________________
2. N26__________________________
3. G3__________________________
4. P35__________________________
5. G26__________________________
6. B16__________________________
7. P4__________________________
8. R30__________________________

B. Name the grid for each of the following intersections:

1. Van Nuys & San Fernando Rd.____
2. Victory & Vineland_____________
3. Foothill & Pennsylvania________
4. Roscoe & Columbus______________
5. Riverside & Hazeltine_______
6. Saticoy & De Soto___________
7. Rinaldi & Tampa_____________
8. Etiwanda & Erwin____________

C. Name the grid for each of the following street addresses:

1. 12876 Sherman Way______________
2. 8019 Topanga Canyon____________
3. 11423 Tuxford__________________
4. 2800 W. Olive__________________
5. 5436 Cedros________________
6. 18215 Valerio ______________
7. 8406 Wentworth_____________
8. 10900 Louise_______________

D. Name the freeways (route numbers) you would take to travel from Pacoima Junior High School to the following places:

1. L.A. Zoo___________________
2. Pierce College_____________
3. Rose Bowl__________________
4. CSUN________________________
5. John Kennedy High School_______
6. Disney Studios________________
7. Downtown L.A._________________
8. Dunsmore Park_________________

PAYING RENT 1

Name________________________________

Date__________________Period_________

Monthly Rent: $300.00
One time cleaning deposit: $125.00
One time security deposit: $150.00
Rent due the first of each month

1. What is the total amount you must pay when you first rent your apartment?

   A. $425.00 B. $450.00 C. $300.00 D. $575.00

2. If you are planning to leave on a two months vacation, how much rent must you pay before leaving?

   A. $300.00 B. $1150.00 C. $600.00 D. $850.00

3. The manager charged you $36 in cleaning fees when you moved. How much will you get back?

   A. $78.00 B. $99.00 C. $91.00 D. $89.00

4. Your friends' rent is 2/3 of your rent. What is your friends' rent?

   A. $200.00 B. $100.00 C. $66.00 D. $230.00

5. If you share the apartment with two roommates, how much will each person pay for rent?

   A. $150.00 B. $100.00 C. $300.00 D. $175.00

6. If you move into this apartment with three friends, what is your share of the total amount (rent, cleaning and security)?

   A. $75.00 B. $31.25 C. $143.75 D. $118.75

7. What is the difference between the cleaning deposit and security deposit?

   A. $50.00 B. $25.00 C. $275.00 D. $175.00

8. The manager has said your rent will increase by 10% next month. How much is the increase?

   A. $330.00 B. $30.00 C. $10.00 D. $310.00

9. The manager has said your rent will increase by 7% next month. What is your new rent?

   A. $21.00 B. $321.00 C. $307.00 D. $325.00

10. Make out a check for your first months rent payable to Village Green Apartment. Make out a second check, payable to the manager Mr. Ted Kawolski, for the sum of the cleaning deposit and security deposit. Record the necessary information on the check stubs.

PAYING RENT 1

Number ______ $ ______
Date ______ 19 ______
To ______
For ______

	Dollars	Cents
Bal. Forward	816	53
Amount Deposited		
Total		
Amount This Check		
New Balance		

Number 674
11-23
456

______ 19 ______

Pay to the
Order of ______ $ ______

______ Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328 ______

Number ______ $ ______
Date ______ 19 ______
To ______
For ______

	Dollars	Cents
Bal. Forward		
Amount Deposited		
Total		
Amount This Check		
New Balance		

Number 675
11-23
456

______ 19 ______

Pay to the
Order of ______ $ ______

______ Dollars

Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328 ______

FP17

FIRST PLACE - THIRD WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Read and interpret a bar graph.
Select an apartment using a newspaper.
Locate their apartment on a city map.
Identify the nearest major intersection to the apartment.
Compute monies for renting their first apartment.

Activities:

Day 1 *Complete "Paying Rent 2" worksheet.*

The only difference between the "Paying Rent 1" and "Paying Rent 2" worksheet, is that a bar graph is used as a display for the questions instead of a chart. Also provided in the lesson is a check and a register to help maintain check writing skills. Remind students to bring in their newspaper ads and offer a bonus on Friday's payday.

Day 2 *Begin "Apartment Search" worksheet...*

It is necessary to set a price range for each student. It is recommended that one week's net pay be used as the basis for figuring the approximate affordable rent for each individual. Discuss this reality with the class. Remind them that they still have other financial responsibilities. It may be necessary and practical for two or more students to share an apartment. Using the newspaper, have the students select and cut out ads for their apartment choices. Attach the ads to the "Apartment Search" worksheet and complete as much of the information about each apartment as is possible.

Day 3 *Complete "Apartment Search" worksheet. Begin "Apartment Choice" worksheet...*

As the students complete the "Apartment Search" worksheet, the teacher should approve the students' choice of an apartment. Make sure the rent for the apartment is within the range set for the student. Using the students' final choice, begin the "Apartment Choice" worksheet. Transfer the needed information from the "Apartment Search" worksheet to the "Apartment Choice" worksheet. It will be necessary to remind students who are sharing an apartment to use the fractional amounts of rent and deposits on their worksheet.

Day 4 *Complete "Apartment Choice" worksheet.*

Once the worksheet has been completed, have students withdraw from their savings the monies required for renting their first apartments.

Materials: *Ditto copies of:*

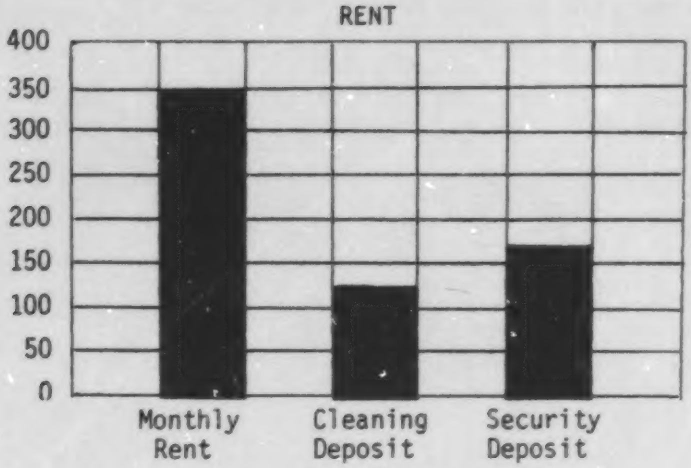
"Paying Rent 2" worksheets
"Apartment Search" worksheets
"Apartment Choice" worksheet

Classified ads from local newspaper
Tape or glue
Scissors

PAYING RENT 2

Name______________________________

Date__________________Period_______



Rent due the first of each month

1. How much is the cleaning deposit?

   A. $100.00 B. $150.00 C. $75.00 D. $125.00

2. How much is the security deposit?

   A. $150.00 B. $175.00 C. $200.00 D. $190.00

3. What is the total amount that you must pay when you first rent your apartment?

   A. $350.00 B. $650.00 C. $475.00 D. $525.00

4. What is the difference between the cleaning deposit and the security deposit?

   A. $50.00 B. $300.00 C. $175.00 D. $125.00

5. The manager says you will receive half of the cleaning deposit back if you leave the apartment in good order. How much can you get back?

   A. $62.00 B. $65.00 C. $62.50 D. $87.50

6. If you rent this apartment with a room-mate, how much will each of you pay for the monthly rent?

   A. $350.00 B. $170.00 C. $165.00 D. $175.00

7. If you share this apartment with two other friends, what is the approximate monthly rent each will pay?

   A. $100.00 B. $175.00 C. $116.66 D. $121.75

PAYING RENT 2

8. The manager has said the rent will increase by 5% next month. What will be the amount of the increase?

   A. $17.50   B. $367.50   C. $175.00   D. $1.75

9. The manager has said the rent will increase by 6% next month. What will the new monthly rent be?

   A. $210.00   B. $352.10   C. $371.00   D. $385.00

10. Make out a check for your monthly rent. Make check payable to Sun Rise Apartments. Record the necessary information on the check register below. Compute the final balance.

Number 127

11-23
456

19

Pay to the
Order of $

Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 328

Check No.	Date	Check Issued To or Deposit	Amount of Check		Deposit		Balance	
		Balance Forward					728	13
125	5/20	Dans Sporting Goods	14	85				
126	5/23	General Telephone	21	57				

APARTMENT SEARCH

Name__________________________________

Date_________________Period__________

One week's net pay____________

Search the apartment ads for four apartments you feel you would like to rent. Make certain that you could afford the rent. Cut out the ads and tape (or paste) them in one of the boxes below. You will need a city street map to complete the information concerning your apartment's location.

1.

Apartment is located in the following city___________________________________

Street address of apartment____

The apartment is located in the following grid_______________________________

Major intersection near apartment____

Size of apartment_________________________________Rent per month_____________

Extras____

2.

Apartment is located in the following city___________________________________

Street address of apartment____

The apartment is located in the following grid_______________________________

Major intersection near apartment____

Size of apartment_________________________________Rent per month_____________

Extras____

APARTMENT SEARCH

3.

Apartment is located in the following city ____________________

Street address of apartment ____________________

The apartment is located in the following grid ____________________

Major intersection near apartment ____________________

Size of apartment ____________________ Rent per month __________

Extras ____________________

4.

Apartment is located in the following city ____________________

Street address of apartment ____________________

The apartment is located in the following grid ____________________

Major intersection near apartment ____________________

Size of apartment ____________________ Rent per month __________

Extras ____________________

5. Final choice, apartment #______. Why did you choose this apartment?

____

____

____

____

APARTMENT CHOICE

Name____________________

Date__________Period_____

Apartment is located in the following city____________________

Street address of apartment____________________

The apartment is located in the following grid____________________

Major intersection near apartment____________________

Closest freeway____________________

Size of apartment____________________Rent per month__________

Extras____________________

____

What do you think are the most attractive features of this apartment?

____

____

The following amounts are what I would need to rent the apartment.

First month's rent = $__________

Last month's rent = $__________

Cleaning deposit = $__________

Security deposit = $__________

Total Amount = $__________

FP24

FIRST PLACE - FOURTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Complete a rental lease form.
Compute monthly utility bills.
Compute a percent of a number.
Compute an average.
Read and interpret a circle graph.

Activities:

Day 1 *Open Day*

Day 2 *Complete "Rental Lease" form.*

Obtain permission to use a rental lease form from an apartment owner or use form provided. Using an overhead transparency, complete the rental lease form. Stress that this is a legal document and all print must be read before the lease is signed.

Day 3 *Complete "Utilities 1" worksheet.*

Lead a class discussion on the different monthly utilities. The "Utilities 1" worksheet reinforces the idea of additional monthly expenses involved in apartment living. Review finding a percent of a number with the class before completing the "Utilities 1" worksheet.

Day 4 *Complete "Utilities 2" worksheet.*

The only difference between the "Utilities 1" and "Utilities 2" worksheets is that a circle graph is used as a display for the questions instead of a chart.

Materials: *Ditto copies of:*

Rental lease form or form provided
"Utilities 1" worksheet
"Utilities 2" worksheet

Overhead transparencies of:

Rental lease form or form provided

RENTAL LEASE

This lease, made this_____day of__________19___, between____________________________(owner), hereinafter known as Lessor, and ____(tenant), hereinafter known as Lessee.

Witnesseth, that the said Lessor does lease unto the said Lessee all that said property in____
City County State
with improvements thereon known as______________________________________ commencing on the______________________day of______________, 19__for the term of________and yielding during said term the rent of____________dollars, payable in advance in monthly installments of $________ on the__________day of each and every month during the said term, the first installment to be paid on_________________________.

Lessee covenants that he will vacate said premises promptly upon termination of the term of this lease, and without further demand, notice or legal proceedings of any nature. However, if contrary to these provisions Lessee should continue in possession of the premises, and with the consent of the Lessor, then and thereafter Lessee shall be deemed to be tenant under a month-to-month tenancy, upon the same terms as herein provided, and will vacate said premises upon receipt of thirty (30) days' notice in writing from Lessor. If said continued occupancy shall be without the consent of the Lessor, Lessee shall be deemed to be tenant at will and liable to summary eviction by Lessor without further notice.

The said Lessee covenants that he will pay the rent in the manner above stated; that he will not use said premises for any other purpose than that of a ________________; that he will not assign or sublet without the written consent of the Lessor; that at the expiration of said term, he will deliver to the Lessor quiet and peaceable possession of said premises; and the Lessor may re-enter for default of___days in the payment of any installment of rent, or for breach of any covenant herein contained; that he will not use the premises, nor permit the use thereof, for any unlawful or disorderly purpose, nor commit nor permit a nuisance to be committed therein.

It is further covenanted that the said Lessee has examined and knows the condition of said premises and has received the same in good order and repair, except as hereinafter specified; said Lessee will leave the premises in like good condition as found, ordinary wear and tear and damage by the elements excepted.

____

____

WITNESS THE FOLLOWING SIGNATURES:

_____________________________ _____________________________

_____________________________ _____________________________

UTILITIES 1

Name________________________________

Date__________________Period________

Below is a chart showing what Jeff paid for his utility bills. Study the chart and answer the questions. Do the arithmetic neatly on your own paper and hand it in with this page.

July		December	
Telephone	$18.78	Telephone	$27.17
Gas	$ 4.21	Gas	$14.55
Electricity	$27.92	Electricity	$13.63

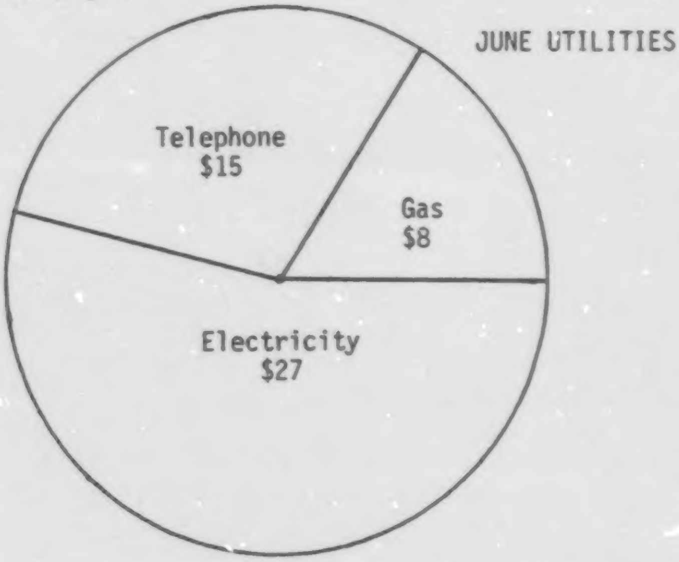
1. What is the total cost of all of the utility bills for July?___________
2. What is the total cost of all of the utility bills for December?________
3. How much more was the telephone bill in December than the telephone bill in July?____________
4. If the cost of the telephone bill in July was shared equally by three people, how much would each pay?____________
5. How much less was the electricity bill in December than the electricity bill in July?____________
6. What is the average amount of the utility bills for July?______________
7. What is the average amount of the utility bills for December?__________
8. What is the difference in price between the two gas bills?______________
9. How much would a 20% savings on the gas bill for December amount to? ____________
10. How much would a 25% savings on the electricity bill for July amount to? ____________
11. The electricity bill for July is approximately how many times the electricity bill for December?__________

UTILITIES 2

Name________________________________

Date____________________Period______

The circle graph below shows the distribution of the utility bills that Sam paid for the month of June. Do the arithmetic neatly on your own paper and hand it in with this page.



1. What is the total amount of money that Sam spent on utilities in June?

   ____

2. What is the difference between the gas and electricity bills?___________

3. What percent of the total utility expenses is the electricity bill?

   ____

4. What percent of the total utility expenses is the gas bill?___________

5. If Sam's friend offered to pay 1/3 of the telephone bill, how much would his friend pay?___________

6. The gas company notified Sam that there would be a 40% increase in his bill for next month. What will his gas bill be for July?___________

7. If Sam pays his electricity bill within five days, he will receive a 5% discount. How much will Sam save by paying his bill early?___________

8. The telephone bill must be paid within 20 days or there is a 15% penalty added to the bill. Sam forgot to pay the bill on time and now has to pay the bill plus the penalty. How much does Sam owe the telephone company?___________

FIRST PLACE - FIFTH WEEK LESSON PLANS

Objectives: *Each pupil shall be able to:*

Plan a monthly budget.
Change fractions to percent.
Convert fractions or percents to degrees of a circle.
Use a protractor.
Complete a circle graph using the information on a chart.
Round to the nearest whole number.

Activities:

Day 1 *Begin "Budget 1" worksheet...*

Have the students compute the totals on the first page of the "Budget 1" worksheet. Using an overhead transparency of page two of the "Budget 1" worksheet, have the students transfer the information from page one into the cost column. Care should be taken on recording the first two expenses (see asterisks). Lead the students through the completion of the chart. The use of calculators for the conversion of fractions to percents and from percents to degrees of a circle are recommended. The students must round both percents and degrees to the nearest whole number. Emphasize the fact that each column totals the equivalent of one whole: the fraction sum is one, the percent sum is 100% and the degree sum is 360.

Day 2 Complete "Budget 1" worksheet. Begin "Budget 2" worksheet...

Using an overhead transparency of page 3 of the "Budget 1" worksheet, review the use of a protractor to complete the circle graph. Hand out the "Budget 2" worksheet. It will be necessary for the students to transfer four weeks of expenses from their payday packet to the chart on page one (these amounts must be rounded to the nearest dollar). The teacher may use any consecutive four week period that includes a rent and car payment. Once the student has completed page one of the "Budget 2" worksheet, the teacher should spot check the chart. Have the students transfer the information from page one into the cost column on page two. Students can then complete page two, using calculators. Encourage the students to double check their answers by totaling the percent and degree columns.

Day 3 *Complete "Budget 2" worksheet.*

The teacher should spot check page two of the "Budget 2" worksheet before the student begins the circle graph on page three. Now have the student complete the circle graph using a protractor.

Day 4 *Complete "Apartment Furnishings" worksheet.*

This activity is optional. It is meant to be a fun assignment for the students who have completed all other unit work. The worksheet may be completed by using catalogs, newspapers or magazine ads.

Materials: *Ditto copies of:*

"Budget 1" worksheets
"Budget 2" worksheets
"Apartment Furnishings" worksheet (optional)

Overhead transparencies of:

"Budget 1" worksheets (pages 2 and 3 only)

Class set of calculators (recommended)
Class set of protractors
Class set of catalogs (optional)

BUDGET 1

Name____________________

Date____________Period________

	Food	Gas	Clothing	Entertainment Recreation	Personal Care	Savings
1st week ending______	$35	$17	$15	$5	$1	$10
2nd week ending______	35	17	8	21	3	15
3rd week ending______	35	17	21	14	7	20
4th week ending______	35	17	13	9	2	15
Total						

Rent	$175
Car Payment	130
Auto Insurance	62

Utilities

Power	$14
Gas	4
Telephone	12
Total	

FP31

463

464

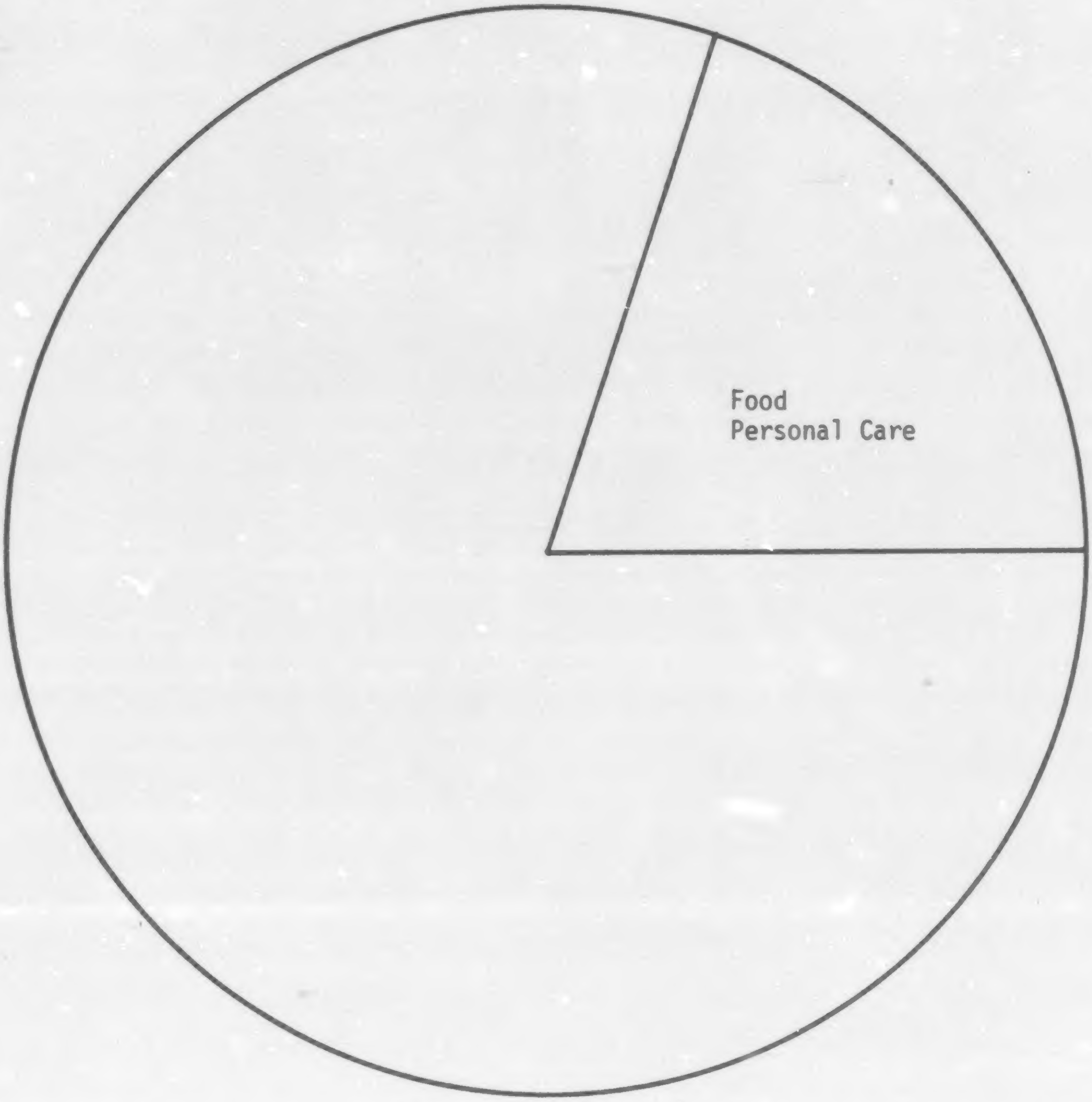
FP32

BUDGET 1

Expense	Cost	Fraction	Percent to nearest whole number	Degree
*Food/Personal Care				
**Transportation				
Clothing				
Entertainment Recreation				
Savings				
Rent				
Utilities				
Totals		——— = 1	100%	360%

*Food/Personal care expense is obtained by adding the two totals from the chart.
**Transportation expense is obtained by adding gas total, car payment and auto insurance from the chart.

BUDGET 1



FP34

BUDGET 2

Name________________________

Date______________Period______

	Food	Gas	Clothing	Entertainment Recreation	Personal Care	Savings
1st week ending_______						
2nd week ending_______						
3rd week ending_______						
4th week ending_______						
Total						

Rent __________

Car Payment __________

Auto Insurance __________

Utilities

Power	
Gas	
Telephone	
Total	

BUDGET 2

Expense	Cost	Fraction	Percent to nearest whole number	Degree
*Food/Personal Care				
**Transportation				
Clothing				
Entertainment Recreation				
Savings				
Rent				
Utilities				
Totals		——— = 1	100%	360%

*Food/Personal care expense is obtained by adding the two totals from the chart.
**Transportation expense is obtained by adding gas total, car payment and auto insurance from the chart.

FP35

BUDGET 2

APARTMENT FURNISHINGS

Name________________________________

Date_________________ Period_________

Catalog Used_________________________________

Order the apartment furnishings you need and want.

Catalog No.	How Many	Item	Page No.	Color	Size	Price	Weight	
							lbs.	ozs.

APARTMENT INFO

Name Key p. FP8

Date ______ Period ______

Directions: Choose the word from below that best fits each definition and fill in the blank.

appliance cul-de-sac utilities spacious access

deluxe fixtures tenant custom renovated

adjacent furnished economical kitchenette available

TENANT 1. person paying rent

APPLIANCES 2. an instrument or device for a particular use, such as refrigerators

ADJACENT 3. next to

CUL-DE-SAC 4. a street closed at one end

UTILITIES 5. companies that perform a public service; gas, electric, and water

CUSTOM 6. made to order

FIXTURES 7. things firmly fastened in place

RENOVATED 8. restored to good contition

KITCHENETTE 9. part of a room fixed up as a small kitchen

DELUXE 10. of exceptionally good quality

ECONOMICAL 11. thrifty

ACCESS 12. way to enter, means of approach

SPACIOUS 13. with plenty of room

AVAILABLE 14. suitable or ready for use

FURNISHED 15. supplied with necessary appliances and furniture

FPO

FP39

APARTMENT INFO

Key p. FP9

Direction: Write the meaning of each abbreviation.

1. sgl SINGLE
2. vu VIEW
3. rec rm RECREATION ROOM
4. appt APPOINTMENT
5. furn FURNISHED
6. bach BACHELOR
7. lux LUXURIOUS
8. utils pd UTILITIES PAID
9. ba BATH
10. w-w WALL TO WALL CARPET
11. a/c AIR CONDITIONING
12. conv loc CONVENIENT LOCATION
13. bdr BEDROOM
14. sec bldg SECURED BUILDING
15. disp DISPOSAL
16. mgr MANAGER

Rewrite the apartment advertisement below without using any abbreviations.

> Burbank, bach, all elec, furn, lndry rm, rec rm, covr'd pkg, utils pd, $100 sec dep, $75 cl dep, $245, eves aft 6. 213/945-6116

Location of Rental BURBANK Size of Rental BACHELOR

Amount of Rent $245 Telephone 213/945-6116

Special Features ALL ELECTRIC, FURNISHED, LAUNDRY ROOM, RECREATION ROOM, COVERED PARKING, UTILITIES PAID, $100 SECURITY DEPOSIT, $75 CLEANING DEPOSIT, EVENINGS AFTER 6.

FPO

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FP40

APARTMENT ADS 1

Name Key p. FP 10

Date ________ Period ________

For each apartment advertisement below, rewrite the ad without using any abbreviations (refer to "List of Abbreviations for Apartment Renters").

1.

> Pacoima, spac, 2 bdr, 2 ba, unfurn,
> refr, w-w, drps, disp, pool, sec
> bldg. nr fwy,
> $385 213/896-8686

Location of Rental PACOIMA Size of Rental 2 BEDROOM

Amount of Rent $385 Telephone 213/896-8686

Special Features SPACIOUS, 2 BATHROOMS, UNFURNISHED, REFRIGERATOR, WALL TO WALL CARPET, DRAPES, DISPOSAL, POOL, SECURED BUILDING, NEAR FREEWAY

2.

> West L.A., lg single, dw, jac, htd
> pool, pvt patio, gas bltins, cpts/
> drps, no pets, furn, lo move in
> costs, $480, 213/477-4639

Location of Rental WEST LOS ANGELES Size of Rental SINGLE

Amount of Rent $480 Telephone 213/477-4639

Special Features LARGE, DISHWASHER, JACUZZI, HEATED POOL, PRIVATE PATIO, GAS BUILT-INS, CARPET, DRAPES, NO PETS, FURNISHED, LOW MOVE IN COSTS

APARTMENT ADS 1

Key p. FP 11

3.

> North Hollywood, 1 bd, a/c, nu
> mgmt, remod, bltins, unfurn, conv
> loc, cl dep, sec dep,
> $355, 213/989-4321

Location of Rental NORTH HOLLYWOOD Size of Rental 1 BEDROOM

Amount of Rent $355 Telephone 213/989-4321

Special Features AIR CONDITIONING, NEW MANAGEMENT, REMODELED, BUILT-INS, UNFURNISHED, CONVENIENT LOCATION, CLEANING DEPOSIT, SECURITY DEPOSIT

4.

> Santa Monica, lux, 2 bd, 2 ba,
> condo, bltins, sec bldg, furn, nr
> beach, fp, refs req, pvt ent, no
> pets, BKR by appt,
> $930, 213/394-5678

Location of Rental SANTA MONICA Size of Rental 2 BEDROOM

Amount of Rent $930 Telephone 213/394-5678

Special Features LUXURIOUS, 2 BATHROOMS, CONDOMINIUM, BUILT-INS, SECURED BUILDING, FURNISHED, NEAR BEACH, FIREPLACE, REFERENCES REQUIRED, PRIVATE ENTRANCE, NO PETS, BROKER BY APPOINTMENT

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APARTMENT ADS 2

Name *Key p. FP 12*

Date________________Period________

Read the following ads. Write the letter of the ad that fits each description.

A	B	C
Eagle Rock, sing, furn, disp, w-w, drps, sec bldg, pool, jac, utils pd, prkg, nu mgr, 1 person, $325 213/254-9862	Baldwin Hills, lg 1 bd, dplx, imac, adults only, conv loc, cl & sec dep, p/p, eves aft 6 $315 213/889-2468	West Hollywood, spac 2 bd, 2 ba, form din, all elec bltins, dw, unfurn, a/c, nr fwy, T crt, pvt ent, no pets, 1 child ok, $550 213/829-2843

Is a duplex	B	Is in a secured building	A
Has an all electric kitchen	C	Call in the evenings	B
Allows one child	C	Has a formal dining room	C
Is the least expensive	B	Has swimming facilities	A
Is near a freeway	C	Has built-ins	C
Has no bedroom	A	Has a convenient location	B
Is adults only	B	Utilities are paid	A
Is the most expensive	C	No pets allowed	C
Is furnished	A	Has carpets and drapes	A
Has a dishwasher	C	Has a parking space	A
Is in immaculate condition	B	Has a tennis court	C
Requires a cleaning deposit	B	Has air conditioning	C
Has two bedrooms	C	Has a private entrance	C

FP12

CITY STREET SEARCH

Name *Key p. FP 14*

Date________________Period________

A. Name the school, park, or building located in the following grids:

1. H6 HANSEN DAM
2. C5 SAN FERNANDO MISSION
3. E5 SAN FERNANDO H.S.
4. G6 WHITEMAN AIRPORT
5. E2½ SYLMAR H.S.
6. D1 OLIVE VIEW SANITORIUM
7. A4 KNOLLWOOD GOLF COURSE
8. F7 PACOIMA JR. H.S.

B. Name the grid for each of the following intersections:

1. Roscoe & Arleta	G9	5. Glenoaks & Tyler	D2
2. Branford & Beachy	F8	6. Osborne & Norris	G6
3. Chamberlain & Laurel Canyon	E5	7. Royen & Kester	D9
4. Louvre & Bradley	F5	8. Laurel Canyon & Wicks	G9

C. Name the grid for each of the following street addresses:

1. 16103 Devonshire	B6 1/2	5. 13200 Pierce	F6
2. 427 North Maclay	E4	6. 11900 Bromont	H5
3. 13012 Osborne	F8	7. 16853 Paulette	A3
4. 9229 Haskell	B8	8. 9919 Laurel Canyon	F7

D. Explain how to get to your house going north on the San Diego Freeway (Route 405) from Los Angeles International Airport.________________

____

____

____

____

____

FP14

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VALLEY STREET SEARCH

Name *Key p. FP15*

Date________ Period________

A. Name the city or community located in the following grids:

1. G17 PACOIMA
2. N26 BURBANK
3. G3 CHATSWORTH
4. P35 PASADENA
5. G26 SUNLAND
6. B16 SYLMAR
7. P4 WOODLAND HILLS
8. R30 GLENDALE

B. Name the grid for each of the following intersections:

1. Van Nuys & San Fernando Rd. G18
2. Victory & Vineland N21
3. Foothill & Pennsylvania K31
4. Roscoe & Columbus K14
5. Riverside & Hazeltine G16
6. Saticoy & De Soto L5
7. Rinaldi & Tampa F7
8. Etiwanda & Erwin N9

C. Name the grid for each of the following street addresses:

1. 12976 Sherman Way M18
2. 8019 Topanga Canyon L4
3. 11423 Tuxford K21
4. 2800 W. Olive Q24
5. 5436 Cedros P15
6. 18215 Valerio M9
7. 8406 Wentworth G25
8. 10900 Louise F11

D. Name the freeways (route numbers) you would take to travel from Pacoima Junior High School to the following places:

1. L.A. Zoo 5
2. Pierce College 405 TO 101
3. Rose Bowl 5 TO 210
4. CSUN 118
5. John Kennedy High School 118
6. Disney Studios 170 TO 134
7. Downtown L.A. 101 OR 5
8. Dunsmore Park 210

PAYING RENT 1

Name *Key p. FP16*

Date________ Period________

Monthly Rent: $300.00
One time cleaning deposit: $125.00
One time security deposit: $150.00
Rent due the first of each month

1. What is the total amount you must pay when you first rent your apartment?
   A. $425.00 B. $450.00 C. $300.00 [✓ D. $575.00]
2. If you are planning to leave on a two months vacation, how much rent must you pay before leaving?
   A. $300.00 B. $1150.00 [✓ C. $600.00] D. $850.00
3. The manager charged you $36 in cleaning fees when you moved. How much will you get back?
   A. $78.00 B. $99.00 C. $91.00 [✓ D. $89.00]
4. Your friends' rent is 2/3 of your rent. What is your friends' rent?
   [✓ A. $200.00] B. $100.00 C. $66.00 D. $230.00
5. If you share the apartment with two roommates, how much will each person pay for rent?
   A. $150.00 [✓ B. $100.00] C. $300.00 D. $175.00
6. If you move into this apartment with three friends, what is your share of the total amount (rent, cleaning and security)?
   A. $75.00 B. $31.25 [✓ C. $143.75] D. $118.75
7. What is the difference between the cleaning deposit and security deposit?
   A. $50.00 [✓ B. $25.00] C. $275.00 D. $175.00
8. The manager has said your rent will increase by 10% next month. How much is the increase?
   A. $330.00 [✓ B. $30.00] C. $10.00 D. $310.00
9. The manager has said your rent will increase by 7% next month. What is your new rent?
   A. $21.00 [✓ B. $321.00] C. $307.00 D. $325.00
10. Make out a check for your first months rent payable to Village Green Apartment. Make out a second check, payable to the manager Mr. Ted Kawolski, for the sum of the cleaning deposit and security deposit. Record the necessary information on the check stubs.

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Key p. FP17

PAYING RENT 1

Number 674 $ 300.00
Date ______ 19__
To VILLAGE GREEN APT.
For RENT

	Dollars	Cents
Bal. Forward	816	53
Amount Deposited		
Total	816	53
Amount This Check	300	00
New Balance	516	53

Number 674
11-23
456
______ 19__

Pay to the Order of VILLAGE GREEN APARTMENT $300.00
THREE HUNDRED AND NO/100 Dollars
Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331
0456 0023 215 328

Number 675 $ 275.00
Date ______ 19__
To MR. TED KAWOLSKI
For CL AND SEC DEP

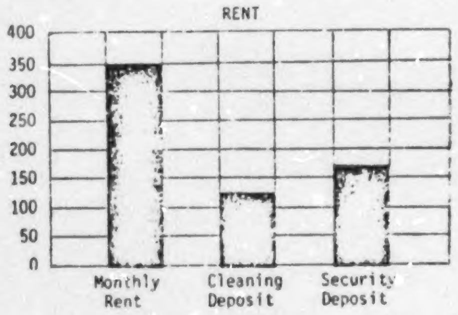
	Dollars	Cents
Bal. Forward	516	53
Amount Deposited		
Total	516	53
Amount This Check	275	00
New Balance	241	53

Number 675
11-23
456
______ 19__

Pay to the Order of MR. TED KAWOLSKI $275.00
TWO HUNDRED SEVENTY-FIVE AND NO/100 Dollars
Pacoima City Bank
13349 Kagel Cyn.
Pacoima, Calif. 91331
0456 0023 215 328

PAYING RENT 2

Name Key p. FP20
Date ______ Period ______



Rent due the first of each month

1. How much is the cleaning deposit?
   A. $100.00 B. $150.00 C. $75.00 [✓ D. $125.00]
2. How much is the security deposit?
   A. $150.00 [✓ B. $175.00] C. $200.00 D. $190.00
3. What is the total amount that you must pay when you first rent your apartment?
   A. $350.00 [✓ B. $650.00] C. $475.00 D. $525.00
4. What is the difference between the cleaning deposit and the security deposit?
   [✓ A. $50.00] B. $300.00 C. $175.00 D. $125.00
5. The manager says you will receive half of the cleaning deposit back if you leave the apartment in good order. How much can you get back?
   A. $62.00 B. $65.00 [✓ C. $62.50] D. $87.50
6. If you rent this apartment with a room-mate, how much will each of you pay for the monthly rent?
   A. $350.00 B. $170.00 C. $165.00 [✓ D. $175.00]
7. If you share this apartment with two other friends, what is the approximate monthly rent each will pay?
   A. $100.00 B. $175.00 [✓ C. $116.66] D. $121.75

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PF44

PAYING RENT 2

Key p. FP21

8. The manager has said the rent will increase by 5% next month. What will be the amount of the increase?

[✓ A. $17.50] B. $367.50 C. $175.00 D. $1.75

9. The manager has said the rent will increase by 6% next month. What will the new monthly rent be?

A. $210.00 B. $352.10 [✓ C. $371.00] D. $385.00

10. Make out a check for your monthly rent. Make check payable to Sun Rise Apartments. Record the necessary information on the check register below. Compute the final balance.

Number 127
11-23
456
__________ 19___

Pay to the Order of SUN RISE APARTMENTS $ 350.00

THREE HUNDRED FIFTY AND NO/100 Dollars

Pacoima City Bank
13449 Kagel Cyn.
Pacoima, Calif. 91331

0456 0023 215 323

Check No.	Date	Check Issued To or Deposit	Amount of Check		Deposit		Balance	
		Balance Forward					728	13
125	5/20	Dans Sporting Goods	14	85			713	28
126	5/23	General Telephone	21	57			691	71
127		Sun Rise Apartments	350	00			341	71

UTILITIES 1

Name Key p. FP27
Date__________ Period______

Below is a chart showing what Jeff paid for his utility bills. Study the chart and answer the questions. Do the arithmetic neatly on your own paper and hand it in with this page.

July		December	
Telephone	$18.78	Telephone	$27.17
Gas	$ 4.21	Gas	$14.55
Electricity	$27.92	Electricity	$13.63

1. What is the total cost of all of the utility bills for July? $50.91
2. What is the total cost of all of the utility bills for December? $55.35
3. How much more was the telephone bill in December than the telephone bill in July? $8.39
4. If the cost of the telephone bill in July was shared equally by three people, how much would each pay? $6.26
5. How much less was the electricity bill in December than the electricity bill in July? $14.29
6. What is the average amount of the utility bills for July? $16.97
7. What is the average amount of the utility bills for December? $18.45
8. What is the difference in price between the two gas bills? $10.34
9. How much would a 20% savings on the gas bill for December amount to? $2.91
10. How much would a 25% savings on the electricity bill for July amount to? $6.98
11. The electricity bill for July is approximately how many times the electricity bill in December? 2

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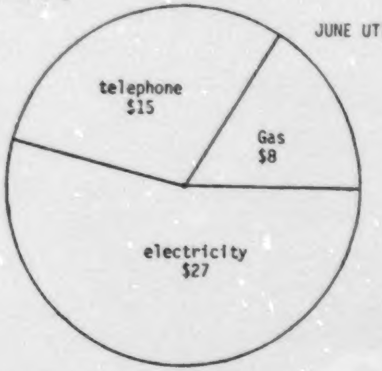
UTILITIES 2

Name Key p. FP 28

Date________ Period______

The circle graph below shows the distribution of the utility bills that Sam paid for the month of June. Do the arithmetic neatly on your own paper and hand it in with this page.



1. What is the total amount of money that Sam spent on utilities in June? $50
2. What is the difference between the gas and electricity bills? $19
3. What percent of the total utility expenses is the electricity bill? 54%
4. What percent of the total utility expenses is the gas bill? 16%
5. If Sam's friend offered to pay 1/3 of the telephone, bill how much would his friend pay? $5
6. The gas company notified Sam that there would be a 40% increase in his bill for next month. What will his gas bill be for July? $11.20
7. If Sam pays his electricity bill within five days, he will receive a 5% discount. How much will Sam save by paying his bill early? $1.35
8. The telephone bill must be paid within 20 days or there is a 15% penalty added to the bill. Sam forgot to pay the bill on time and now has to pay the bill plus the penalty. How much does Sam owe the telephone company? $17.25

FP45

FP28

BUDGET 1

Name Key p. FP 31

Date________ Period________

	Food	Gas	Clothing	Entertainment Recreation	Personal Care	Savings
1st week ending____	$35	$17	$15	$5	$1	$10
2nd week ending____	35	17	8	21	3	15
3rd week ending____	35	17	21	14	7	20
4th week ending____	35	17	13	9	2	15
Total	$140	$68	$57	$49	$13	$60

Rent	$175
Car Payment	130
Auto Insurance	62

Utilities

Power	$14
Gas	4
Telephone	12
Total	$30

FP31

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Key p. FP 32

BUDGET 1

Expense	Cost	Fraction	Percent to nearest whole number	Degree
*Food/Personal care	153	$\frac{153}{784}$	20	72
**Transportation	260	$\frac{260}{784}$	33	119
Clothing	57	$\frac{57}{784}$	7	25
Entertainment Recreation	49	$\frac{49}{784}$	6	22
Savings	60	$\frac{60}{784}$	8	29
Rent	175	$\frac{175}{784}$	22	79
Utilities	30	$\frac{30}{784}$	4	14
Totals	784	$\frac{784}{784} = 1$	100%	360%

*Food/Personal care expense is obtained by adding the two totals from the chart.
**Transportation expense is obtained by adding gas total, car payment and auto insurance from the chart.

Key p. FP 33

BUDGET 1

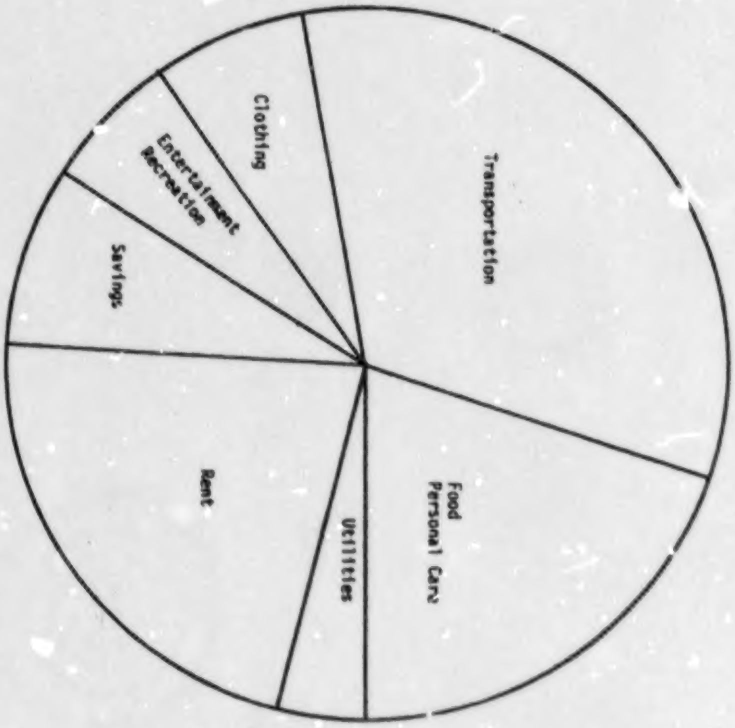

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TABLE OF CONTENTS - FIRST PLACE TESTS

Apartment Info Test . . . . TFP 1
Anywhere, U.S.A. Test . . . . TFP 2-3
Circle Graph Test . . . . TFP 4-5

Answer keys follow the tests.

APARTMENT INFO TEST

Name______________________________

Date____________________Period________

Write the meaning of each abbreviation.

1. br______________________________
2. cpt______________________________
3. fpl______________________________
4. mo______________________________
5. ref______________________________

Choose the word from below that best fits each definition and fill in the blank.

appliances
custom
furnished
deluxe
utilities
tenant
adjacent
access
renovated

______________________ 6. an instrument or device for a particular use, such as refrigerators

______________________ 7. next to

______________________ 8. supplied with necessary appliances and furniture

______________________ 9. restored to good condition

______________________ 10. companies that perform a public service; gas, electric, and water

Rewrite the apartment advertisement below without using any abbreviations.

L.A., lg sing, furn, nr fwy, nu cpt
and drps, $50 cl dep, $215 mo,
eves aft 6. 213/233-5919

Location of Rental________________________Size of Rental______________

Amount of Rent________________________Telephone______________

Special Features____

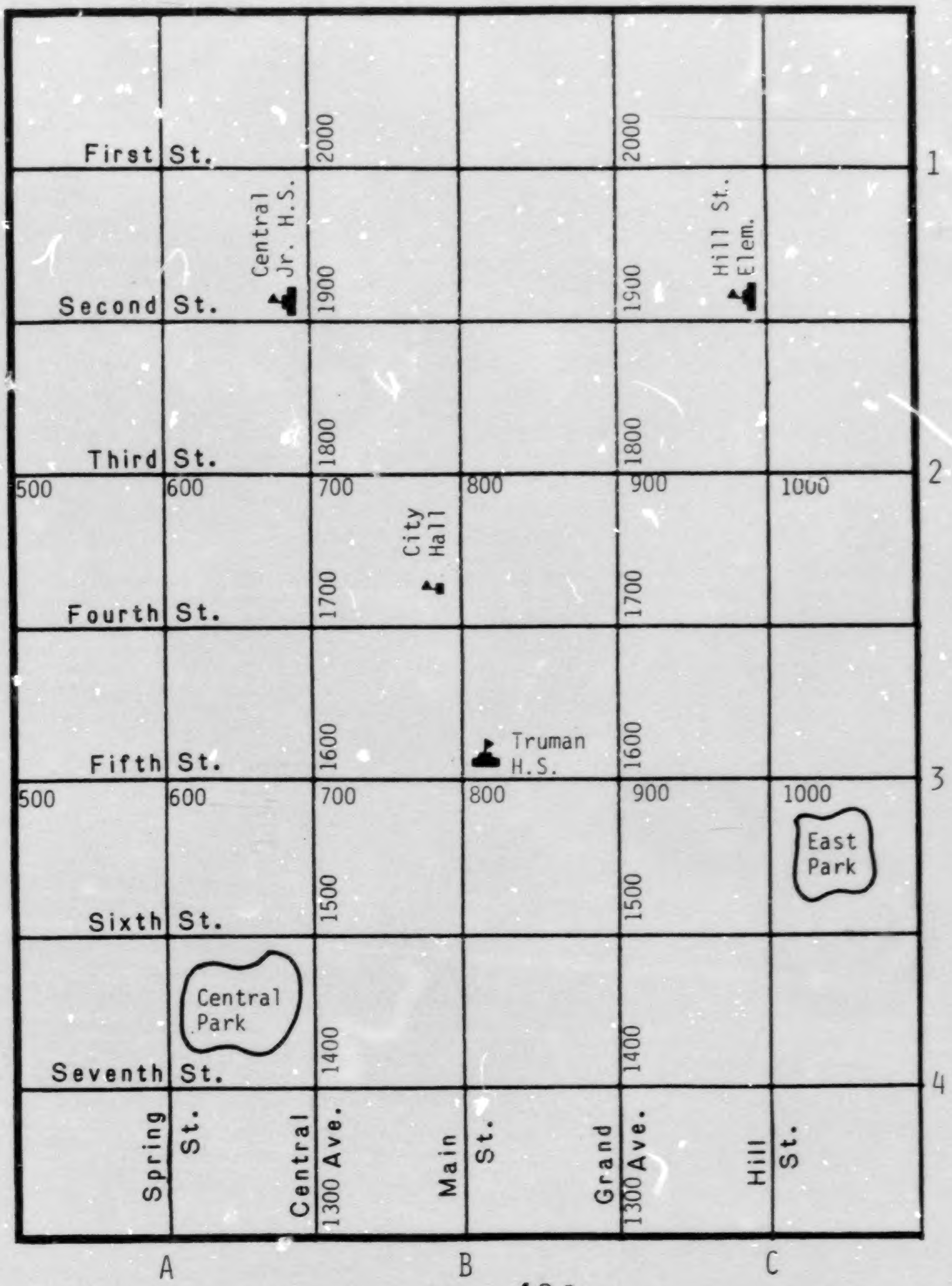
____

____

ANYWHERE, U.S.A. TEST

Name________________________

Date______________ Period________


First St.
Second St.
Third St.
Fourth St.
Fifth St.
Sixth St.
Seventh St.
Spring St.
Central 1300 Ave.
Main St.
Grand 1300 Ave.
Hill St.
Central Jr. H.S.
Hill St. Elem.
City Hall
Truman H.S.
Central Park
East Park
2000
1900
1800
1700
1600
1500
1400
500
600
700
800
900
1000
1
2
3
4
A
B
C

TFP2

ANYWHERE, U.S.A. TEST

Name the school, park, or building located in the following grids:

1. A4__________________________________

2. B3__________________________________

3. 1C__________________________________

4. 2B__________________________________

Name the grid for each of the following intersections:

5. Hill & Third__________________

6. Spring & Fifth__________________

7. Main & First__________________

8. Hill & Seventh__________________

Name the grid for each of the following street addresses:

9. 721 Fifth Street__________________

10. 981 First Street__________________

11. 1628 Spring Street__________________

12. 2092 Hill Street__________________

Explain how you get from your friend's house (1362 Hill Street) to City Hall (1728 Main Street).

____

____

____

TFP4

CIRCLE GRAPH TEST

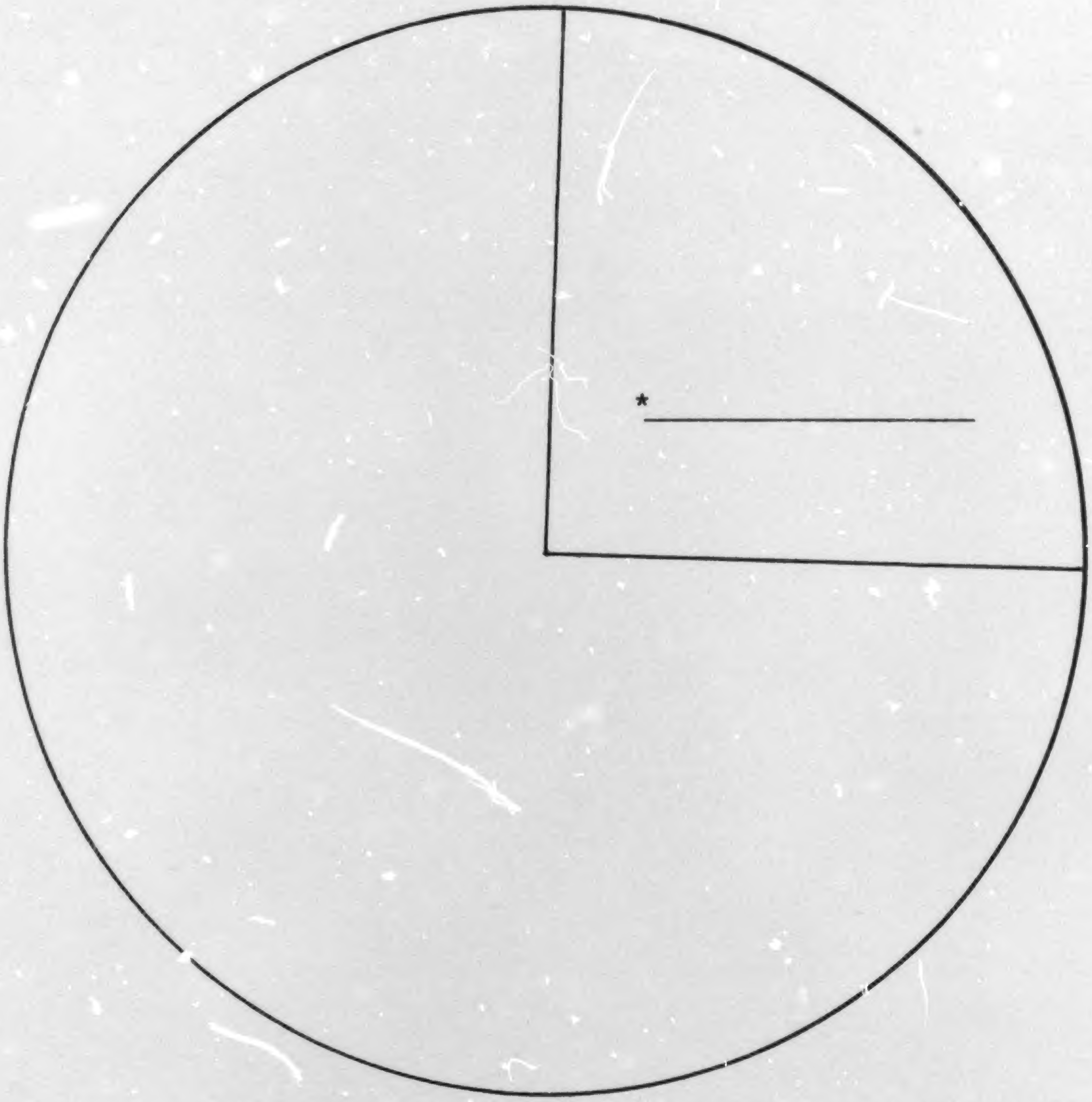
Name____________________

Date____________Period________

EXPENSE	COST	FRACTION	PERCENT TO NEAREST WHOLE NUMBER	DEGREE
Food/Personal Care	$120			
Transportation	$240			
Clothing	$ 60			
Entertainment Recreation	$ 30			
Utilities	$ 90			
Rent	$180			
Totals				

Directions: Complete the chart. Using a protractor, complete the circle graph.

CIRCLE GRAPH TEST



MONTHLY BUDGET

*Label the expense

ANSWER KEYS TO FIRST PLACE TESTS

Apartment Info Test

See correctly filled out page TFP1.

Anywhere, U.S.A. Test

See correctly filled out page TFP3.

Circle Graph Test

See correctly filled out pages TFP4 and TFP5.

APARTMENT INFO TEST

Name Key, Pg TFP1

Date __________ Period __________

Write the meaning of each abbreviation.

1. br BEDROOM
2. cpt CARPET
3. fpl FIREPLACE
4. mo MONTHLY
5. ref REFRIGERATOR

Choose the word from below that best fits each definition and fill in the blank.

appliances
custom
furnished

deluxe
utilities
tenant

adjacent
access
renovated

APPLIANCES 6. an instrument or device for a particular use, such as refrigerators

ADJACENT 7. next to

FURNISHED 8. supplied with necessary appliances and furniture

RENOVATED 9. restored to good condition

UTILITIES 10. companies that perform a public service; gas, electric, and water

Rewrite the apartment advertisement below without using any abbreviations.

L.A., lg sing, furn, nr fwy, nu cpt
and drps, $50 cl dep, $215 mo,
eves aft 6. 213/233-5919

Location of Rental LOS ANGELES Size of Rental LARGE SINGLE

Amount of Rent $215 MONTHLY Telephone 213/233-5919

Special Features FURNISHED, NEAR FREEWAY, NEW CARPET AND DRAPES, $50 CLEANING DEPOSIT, CALL IN THE EVENING AFTER 6

TFP1

TFP7

ANYWHERE, U.S.A. TEST

Key, Pg TFP3

Name the school, park, or building located in the following grids:

1. A4 CENTRAL PARK
2. B3 TRUMAN HIGH SCHOOL
3. 1C HILL STREET ELEMENTARY
4. 2B CITY HALL

Name the grid for each of the following intersections:

5. Hill & Third C2
6. Spring & Fifth A3
7. Main & First B1
8. Hill & Seventh C4

Name the grid for each of the following street addresses:

9. 721 Fifth Street B2
10. 981 First Street C1
11. 1628 Spring Street A3
12. 2092 Hill Street C1

Explain how you get from your friend's house (1362 Hill Street) to City Hall (1728 Main Street).

TFP3

TFP4

CIRCLE GRAPH TEST

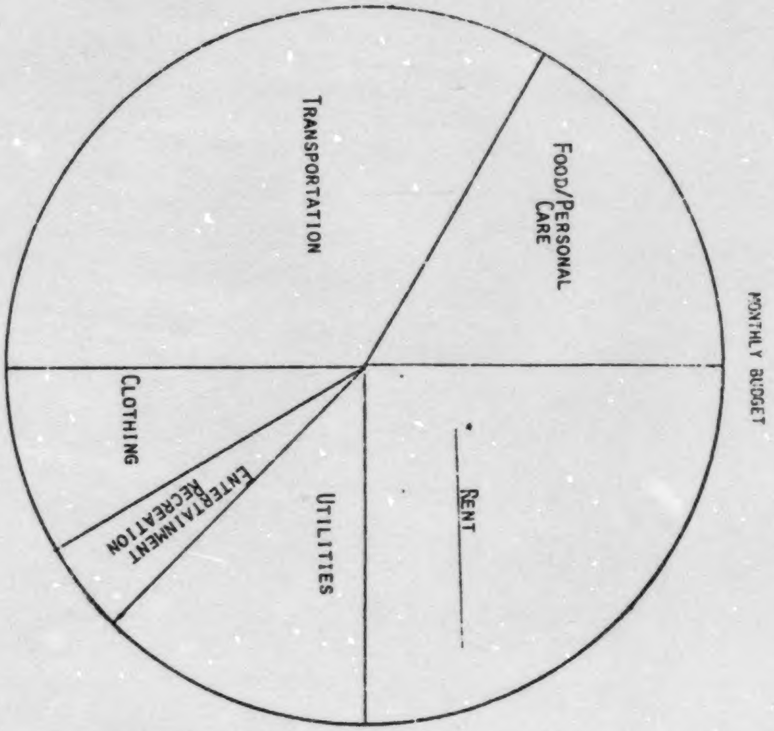
Name *Key, Pg T7P4*
Date ______ Period ______

EXPENSE	COST	FRACTION	PERCENT TO NEAREST WHOLE NUMBER	DEGREE
Food/Personal Care	$120	$\frac{1}{6}$	17%	60°
Transportation	$240	$\frac{1}{3}$	33%	120°
Clothing	$ 60	$\frac{1}{12}$	8%	30°
Entertainment Recreation	$ 30	$\frac{1}{24}$	4%	15°
Utilities	$ 90	$\frac{1}{8}$	13%	45°
Rent	$180	$\frac{1}{4}$	25%	90°
Totals	720	$\frac{24}{24}$	100%	360%

Directions: Complete the chart. Using a protractor, complete the circle graph.

*Label the expense

CIRCLE GRAPH TEST



Key, Pg T7P5

TFP5

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APPENDIX A

Basic Skills Practice Puzzle Sequence

Basic Skills Tests

BASIC SKILLS PRACTICE PUZZLE SEQUENCE

A. Whole number operation

	SERIES	BOOK	PUZZLE NUMBER (PAGE)	SKILLS
1.	Mr. Math	Famous People	15	subtraction
2.	Mr. Math	Famous People	17	addition, subtraction
3.	Mr. Math	Famous Places and Events	6	addition, subtraction
4.	Mr. Math	Famous Places and Events	9	addition, subtraction
5.	Mr. Math	Famous People	18	multiplication
6.	Mr. Math	Famous Places and Events	7	multiplication
7.	Mr. Math	Famous People	20	multiplication
8.	Mr. Math	Famous Places and Events	13	multiplication
9.	Mathimagination	Book A	25	addition, subtraction, multiplication
10.	Mr. Math	Famous People	26	division
11.	Mr. Math	Famous People	25	division
12.	Mr. Math	Famous People	27	division
13.	Mr. Math	Famous Places and Events	14	division, two digit
14.	Mr. Math	Famous Places and Events	18	multiplication, division
15.	Mathimagination	Book B	29	all 4 operations

B. Decimal fractions and review of whole numbers

16.	Adventures in Arithmetic	Decimals	8,9	decimals, introduction
17.	Mathimagination	Book E	10	decimals, introduction
18.	Adventures in Arithmetic	Decimals	14,15	decimals, addition
19.	Crossnumber Puzzles	Book 2	33,33A	decimals, addition
20.	Mathamerica	Volume 1	33	whole numbers, all 4 operations
21.	Adventures in Arithmetic	Decimals	16,17	decimals, subtraction
22.	Crossnumber Puzzles	Book 2	34,34A	decimals, subtraction
23.	Adventure in Arithmetic	Decimals	18,19	decimals, addition, subtraction
24.	Mathamerica	Volume 2	28	decimals, multiplication
25.	Adventures in Arithmetic	Decimals	22,23	decimals, multiplication
26.	Mathimagination	Book E	28	decimals, addition, subtraction, multi.
27.	Mathamerica	Volume 2	31	decimals, division
28.	Mathamerica	Volume 2	33	decimals, division
29.	Mathamerica	Volume 2	37	decimals, all 4 operations
30.	Mathamerica	Volume 2	38	decimals, all 4 operations

BASIC SKILLS PRACTICE PUZZLE SEQUENCE

	SERIES	BOOK	PUZZLE NUMBER (PAGE)	SKILLS
31.	Mr. Math	Famous Places and Events	19	fractions, reducing
32.	Mathimagination	Book E	40	fractions, ratio, reducing
33.	Mr. Math	Famous People-Women	22	fractions, improper to mixed
34.	Crossnumber Puzzles	Book 2	11,11A	fractions, mixed, reducing
35.	Mr. Math	Famous People-Women	21	fractions, equivalent
36.	Mathimagination	Book D	20	fractions, equivalent
37.	Crossnumber Puzzles	Book 2	14,14A	fractions, LCD
38.	Mathimagination	Book D	21	fractions, addition
39.	Mr. Math	Famous People-Women	23	fractions, addition
40.	Mathimagination	Book D	26,27	fractions, addition
41.	Crossnumber Puzzles	Book 2	13,13A	fractions, subtraction
42.	Mr. Math	Famous People-Women	24	fractions, subtraction
43.	Mathimagination	Book D	31	fractions, subtraction
44.	Crossnumber Puzzles	Book 2	15,15A	fractions, addition, subtraction
45.	Mathimagination	Book C	38	divisibility
46.	Mr. Math	Famous People-Women	25	fractions, multiplication
47.	Mr. Math	Famous Athletes	21	fractions, multiplication
48.	Crossnumber Puzzles	Book 2	21,21A	Fractions, multiplication
49.	Mathimagination	Book D	42	fractions, multiplication
50.	Mathimagination	Book D	45	fractions, division
51.	Crossnumber Puzzles	Book 2	24,24A	fractions, division
52.	Mathimagination	Book D	30	fractions, addition, subtraction
53.	Mathamerica	Volume 2	17	fractions, all 4 operations
54.	Mathimagination	Book D	46	fractions, division
55.	Mathamerica	Volume 2	18	fractions, all 4 operations
56.	Mathamerica	Volume 2	19	fractions, all 4 operations
57.	Mathimagination	Book E	11	fractions to decimals (terminating)
58.	Mathimagination	Book E	38	fractions to decimals (repeating)
59.	Mathimagination	Book E	14	fractions, decimals, equivalent
60.	Crossnumber Puzzles	Book 2	25,25A	fractions, all 4 operations

TABLE OF CONTENTS - BASIC SKILL TESTS

Whole Numbers - Test A . . . . TBS 1-2

Whole Numbers - Test B . . . . TBS 3-4

Decimals - Test A . . . . TBS 5-6

Decimals - Test B . . . . TBS 7-8

Fractions 1 - Test A . . . . TBS 9-10

Fractions 1 - Test B . . . . TBS 11-12

Fractions 2 - Test A . . . . TBS 13-14

Fractions 2 - Test B . . . . TBS 15-16

Answer keys follow the tests.

WHOLE NUMBERS - TEST A

Name________________________

Date________________________

1) 317 +258	2) 774 +962	3) 688 +295	4) 293+76
5) 618+480	6) 384 566 +917	7) 57 69 98 87 +74	8) 589 9 899 8936 + 277
9) 471 -398	10) 512 -244	11) 3075-1886	12) 9002-3575
13) 569 -489	14) 5260 - 267	15) 607-169	16) 544-348
17) 17 x 5	18) 14 x 3	19) 29 x 4	20) 700 x 8

WHOLE NUMBERS - TEST A

21) $\begin{array}{r} 865 \\ \times\ 7 \\ \hline \end{array}$	22) $\begin{array}{r} 608 \\ \times\ 3 \\ \hline \end{array}$	23) $\begin{array}{r} 950 \\ \times\ 9 \\ \hline \end{array}$	24) $\begin{array}{r} 18 \\ \times 25 \\ \hline \end{array}$
25) $\begin{array}{r} 85 \\ \times 42 \\ \hline \end{array}$	26) $\begin{array}{r} 705 \\ \times\ 37 \\ \hline \end{array}$	27) $\begin{array}{r} 308 \\ \times\ 59 \\ \hline \end{array}$	28) $\begin{array}{r} 29 \\ \times 86 \\ \hline \end{array}$
29) $8\overline{)79}$	30) $7\overline{)55}$	31) $4\overline{)524}$	32) $4\overline{)55531}$
33) $7\overline{)626}$	34) $4\overline{)241}$	35) $9\overline{)804}$	36) $8\overline{)845}$
37) $39\overline{)335}$	38) $77\overline{)483}$	39) $43\overline{)3867}$	40) $62\overline{)4124}$

WHOLE NUMBERS - TEST B

Name________________________

Date________________Period________

1) 219 +364	2) 685 +833	3) 767 +156	4) 245+93
5) 714+470	6) 367 544 +928	7) 58 67 98 87 +24	8) 476 9 895 7547 + 466
9) 561 -485	10) 313 -146	11) 4055-1886	12) 9002-2585
13) 729 -689	14) 4240 - 245	15) 907-248	16) 756-159
17) 16 x 5	18) 13 x 4	19) 38 x 3	20) 800 x 6

WHOLE NUMBERS - TEST B

21) $\begin{array}{r} 379 \\ \times\ \ 4 \\ \hline \end{array}$	22) $\begin{array}{r} 806 \\ \times\ \ 7 \\ \hline \end{array}$	23) $\begin{array}{r} 640 \\ \times\ \ 6 \\ \hline \end{array}$	24) $\begin{array}{r} 15 \\ \times 25 \\ \hline \end{array}$
25) $\begin{array}{r} 49 \\ \times 59 \\ \hline \end{array}$	26) $\begin{array}{r} 908 \\ \times\ 73 \\ \hline \end{array}$	27) $\begin{array}{r} 807 \\ \times\ 65 \\ \hline \end{array}$	28) $\begin{array}{r} 85 \\ \times 42 \\ \hline \end{array}$
29) $7\overline{)\,36}$	30) $8\overline{)\,63}$	31) $3\overline{)\,783}$	32) $5\overline{)\,66643}$
33) $7\overline{)\,625}$	34) $3\overline{)\,272}$	35) $8\overline{)\,386}$	36) $9\overline{)\,911}$
37) $83\overline{)\,596}$	38) $43\overline{)\,399}$	39) $31\overline{)\,1754}$	40) $84\overline{)\,7032}$

DECIMALS - TEST A

Name______________________________

Date__________________Period______

1) 2.3 + 4.2	2) 2.8 + 9.5	3) 0.86 + 7.6	4) 4.2 + 5.9
5) 59 + 3.2	6) 3.28 + 0.74	7) 9.007 + 0.436	8) .8 + .6 + .7
9) .7 + .007 + 7	10) 7.1 + .25 + 3.9	11) .8 -.5	12) 2.1 -1.3
13) 2.36 -1.7	14) 2.1 -1.42	15) 1.8 - .1	16) 12.8 - 8.05
17) 6.46 - 2.3	18) 9.5 - 2	19) 10 - 9.9648	20) 2.93 - 2.87

DECIMALS - TEST A

21) 5 x .5	22) 3.14 x 6	23) 80 x .06	24) 7.9 x .9
25) .31 x .19	26) 6.9 x .3 7	27) .73 x .95	28) .016 x 2.4
29) 3.1416 x 4.5	30) 5.37 x 3.17	31) 4)8.92	32) 7)25.2
33) 6)24.18	34) .9).0054	35) .05).03	36) 35)26.25
37) 37)70.3	38) 7.8)1.014	39) 6.3)16.695	40) .96)7968

DECIMALS - TEST B

Name______________________________

Date_________________Period________

1) 6.4 + 2.3	2) 8.6 + 7.7	3) 0.74 + 6.8	4) 6.3 + 5.8
5) 62 + 4.4	6) 4.58 + 0.46	7) 8.008 + 0.334	8) .9 + .6 + .7
9) .5 + .005 + 5	10) 6.1 + .35 + 2.8	11) .9 - .3	12) 4.1 - 3.6
13) 4.46 - 3.7	14) 2.1 - 1.37	15) 1.4 - .1	16) 13.6 - 6.05
17) 7.57 - 3.2	18) 8.6 - 3	19) 10 - 9.9637	20) 3.91 - 3.88

DECIMALS - TEST B

21) 7 x .7	22) 3.24 x 8	23) 70 x .08	24) 6.4 x .9
25) .41 x .18	26) 7.6 x 3.7	27) .73 x .94	28) .014 x 2.6
29) 3.1416 x 3.5	30) 4.72 x 3.61	31) $3\overline{)9.36}$	32) $7\overline{)26.6}$
33) $7\overline{)84.56}$	34) $.9\overline{)8.01}$	35) $.05\overline{).01}$	36) $43\overline{).301}$
37) $13\overline{)70.2}$	38) $4.8\overline{)36}$	39) $3.4\overline{)2.006}$	40) $.46\overline{)3542}$

FRACTIONS 1 - TEST A

Name______________________________

Date__________________ Period________

Reduce to lowest terms.

1) $\frac{8}{10} =$

2) $\frac{12}{15} =$

3) $\frac{13}{39} =$

4) $\frac{18}{36} =$

Write each fraction as a mixed number.

5) $\frac{8}{3} =$

6) $\frac{15}{4} =$

7) $\frac{22}{7} =$

8) $\frac{91}{6} =$

Write each mixed number as a fraction.

9) $2\frac{1}{2} =$

10) $5\frac{1}{3} =$

11) $6\frac{2}{7} =$

12) $9\frac{3}{8} =$

13) $\begin{array}{r} \frac{1}{7} \\ + \frac{4}{7} \\ \hline \end{array}$	14) $\begin{array}{r} \frac{3}{8} \\ + \frac{3}{8} \\ \hline \end{array}$	15) $\begin{array}{r} \frac{2}{3} \\ + \frac{2}{3} \\ \hline \end{array}$	16) $\begin{array}{r} \frac{5}{9} \\ + \frac{4}{9} \\ \hline \end{array}$
17) $\begin{array}{r} 5\frac{3}{11} \\ + 5\frac{3}{11} \\ \hline \end{array}$	18) $\begin{array}{r} 10 \\ + 3\frac{1}{4} \\ \hline \end{array}$	19) $\begin{array}{r} \frac{1}{2} \\ + \frac{1}{4} \\ \hline \end{array}$	20) $\begin{array}{r} \frac{2}{5} \\ + \frac{3}{10} \\ \hline \end{array}$

FRACTIONS 1 - TEST A

21) $\begin{array}{r} \frac{1}{4} \\ + \frac{7}{8} \\ \hline \end{array}$	22) $\begin{array}{r} 2\frac{7}{9} \\ + 3\frac{2}{9} \\ \hline \end{array}$	23) $\begin{array}{r} 8\frac{1}{8} \\ + 5\frac{5}{6} \\ \hline \end{array}$	24) $\begin{array}{r} 2\frac{2}{3} \\ + 4\frac{1}{2} \\ \hline \end{array}$
25) $\begin{array}{r} 2\frac{7}{8} \\ + 6\frac{7}{8} \\ \hline \end{array}$	26) $\begin{array}{r} 4\frac{1}{3} \\ 2\frac{1}{2} \\ + 4\frac{5}{6} \\ \hline \end{array}$	27) $\begin{array}{r} \frac{4}{9} \\ - \frac{2}{9} \\ \hline \end{array}$	28) $\begin{array}{r} \frac{5}{8} \\ - \frac{3}{8} \\ \hline \end{array}$
29) $\begin{array}{r} \frac{5}{6} \\ - \frac{1}{2} \\ \hline \end{array}$	30) $\begin{array}{r} 11\frac{5}{6} \\ - 4\frac{1}{4} \\ \hline \end{array}$	31) $\begin{array}{r} \frac{1}{2} \\ - \frac{1}{3} \\ \hline \end{array}$	32) $\begin{array}{r} 5 \\ - \frac{3}{4} \\ \hline \end{array}$
33) $\begin{array}{r} 6\frac{7}{8} \\ - 3 \\ \hline \end{array}$	34) $\begin{array}{r} 7\frac{1}{6} \\ - 2\frac{5}{6} \\ \hline \end{array}$	35) $\begin{array}{r} 6\frac{1}{10} \\ - 3\frac{3}{5} \\ \hline \end{array}$	36) $\begin{array}{r} 5\frac{1}{5} \\ - 2\frac{2}{3} \\ \hline \end{array}$
37) $\begin{array}{r} 16 \\ - 9\frac{4}{13} \\ \hline \end{array}$	38) $\begin{array}{r} 8\frac{1}{3} \\ - 6\frac{3}{9} \\ \hline \end{array}$	39) $\begin{array}{r} 21\frac{4}{9} \\ - 11\frac{7}{9} \\ \hline \end{array}$	40) $\begin{array}{r} 6\frac{3}{10} \\ - 2\frac{2}{3} \\ \hline \end{array}$

FRACTIONS 1 - TEST B

Name______________________________

Date________________Period________

Reduce to lowest terms.

1) $\frac{6}{10} =$

2) $\frac{12}{21} =$

3) $\frac{17}{34} =$

4) $\frac{16}{48} =$

Write each fraction as a mixed number.

5) $\frac{7}{2} =$

6) $\frac{17}{4} =$

7) $\frac{26}{7} =$

8) $\frac{93}{7} =$

Write each mixed number as a fraction.

9) $3\frac{1}{2} =$

10) $3\frac{1}{5} =$

11) $5\frac{3}{7} =$

12) $7\frac{5}{9} =$

13) $\begin{array}{r} \frac{1}{11} \\ + \frac{5}{11} \\ \hline \end{array}$	14) $\begin{array}{r} \frac{1}{8} \\ + \frac{3}{8} \\ \hline \end{array}$	15) $\begin{array}{r} \frac{3}{5} \\ + \frac{4}{5} \\ \hline \end{array}$	16) $\begin{array}{r} \frac{2}{7} \\ + \frac{5}{7} \\ \hline \end{array}$
17) $\begin{array}{r} 6\frac{1}{5} \\ + 2\frac{3}{5} \\ \hline \end{array}$	18) $\begin{array}{r} 11 \\ + 2\frac{1}{3} \\ \hline \end{array}$	19) $\begin{array}{r} \frac{1}{3} \\ + \frac{1}{6} \\ \hline \end{array}$	20) $\begin{array}{r} \frac{3}{5} \\ + \frac{3}{10} \\ \hline \end{array}$

FRACTIONS 1 - TEST B

21) $\begin{array}{r} \frac{3}{4} \\ + \frac{3}{8} \\ \hline \end{array}$	22) $\begin{array}{r} 1\frac{5}{7} \\ +3\frac{2}{7} \\ \hline \end{array}$	23) $\begin{array}{r} 4\frac{3}{8} \\ +5\frac{1}{6} \\ \hline \end{array}$	24) $\begin{array}{r} 6\frac{1}{2} \\ +2\frac{2}{3} \\ \hline \end{array}$
25) $\begin{array}{r} 3\frac{5}{6} \\ +4\frac{5}{6} \\ \hline \end{array}$	26) $\begin{array}{r} 2\frac{1}{2} \\ 4\frac{2}{3} \\ +5\frac{1}{6} \\ \hline \end{array}$	27) $\begin{array}{r} \frac{6}{7} \\ - \frac{2}{7} \\ \hline \end{array}$	28) $\begin{array}{r} \frac{7}{8} \\ - \frac{5}{8} \\ \hline \end{array}$
29) $\begin{array}{r} \frac{3}{4} \\ - \frac{1}{2} \\ \hline \end{array}$	30) $\begin{array}{r} 10\frac{3}{4} \\ -4\frac{1}{6} \\ \hline \end{array}$	31) $\begin{array}{r} \frac{1}{2} \\ - \frac{2}{5} \\ \hline \end{array}$	32) $\begin{array}{r} 6 \\ - \frac{1}{4} \\ \hline \end{array}$
33) $\begin{array}{r} 5\frac{4}{5} \\ -2 \\ \hline \end{array}$	34) $\begin{array}{r} 7\frac{1}{8} \\ -2\frac{5}{8} \\ \hline \end{array}$	35) $\begin{array}{r} 7\frac{1}{8} \\ -2\frac{1}{2} \\ \hline \end{array}$	36) $\begin{array}{r} 6\frac{1}{4} \\ -2\frac{2}{3} \\ \hline \end{array}$
37) $\begin{array}{r} 11 \\ -7\frac{11}{14} \\ \hline \end{array}$	38) $\begin{array}{r} 6\frac{1}{3} \\ -2\frac{2}{6} \\ \hline \end{array}$	39) $\begin{array}{r} 101\frac{2}{9} \\ -11\frac{8}{9} \\ \hline \end{array}$	40) $\begin{array}{r} 5\frac{1}{10} \\ -3\frac{1}{3} \\ \hline \end{array}$

FRACTIONS 2 - TEST A

Name______________________________

Date__________________ Period________

1) $\frac{1}{2} \times \frac{1}{2}$	2) $\frac{1}{2} \times \frac{2}{5}$	3) $\frac{2}{3} \times \frac{1}{2}$	4) $\frac{3}{4} \times \frac{5}{9}$
5) $\frac{1}{2}$ OF 10	6) $\frac{2}{9} \times \frac{3}{8}$	7) $12 \times \frac{2}{3}$	8) $\frac{7}{20} \times \frac{20}{7}$
9) $\frac{2}{3} \times \frac{5}{8} \times \frac{4}{5}$	10) $\frac{3}{7} \times \frac{1}{4} \times \frac{8}{9}$	11) $3\frac{1}{3} \times 2\frac{2}{5}$	12) $12 \times 4\frac{5}{6}$
13) $1\frac{3}{4} \times 6\frac{2}{7}$	14) $5\frac{1}{2} \times 3\frac{3}{5}$	15) $4\frac{5}{8} \times 4$	16) $2\frac{1}{12} \times 8\frac{2}{5}$
17) $5\frac{5}{7} \times 6\frac{1}{10}$	18) $7\frac{7}{11} \times 8\frac{1}{6}$	19) $2\frac{1}{4} \times \frac{1}{3} \times 1\frac{1}{2}$	20) $\frac{3}{4} \times 3\frac{1}{5} \times 1\frac{3}{8}$

FRACTIONS 2 - TEST A

21) $\frac{1}{2} \div \frac{1}{4}$	22) $\frac{3}{4} \div \frac{1}{4}$	23) $4 \div \frac{1}{2}$	24) $5\frac{1}{2} \div \frac{1}{8}$
25) $\frac{4}{5} \div \frac{8}{25}$	26) $10\frac{1}{5} \div \frac{2}{3}$	27) $\frac{4}{15} \div \frac{2}{3}$	28) $6\frac{1}{4} \div \frac{1}{2}$
29) $3\frac{3}{5} \div 3$	30) $7\frac{2}{5} \div \frac{1}{10}$	31) $\frac{7}{8} \div \frac{3}{10}$	32) $3\frac{1}{3} \div 1\frac{2}{3}$
33) $9 \div 4\frac{1}{2}$	34) $\frac{2}{3} \div \frac{5}{11}$	35) $1\frac{1}{2} \div 6$	36) $4\frac{1}{5} \div 1\frac{3}{5}$
37) $2\frac{5}{6} \div 1\frac{4}{9}$	38) $2\frac{1}{4} \div 7\frac{1}{8}$	39) $1\frac{5}{9} \div \frac{1}{6}$	40) $7\frac{3}{5} \div 2\frac{2}{3}$

FRACTIONS 2 - TEST B

Name______________________________

Date________________Period__________

1) $\frac{1}{2} \times \frac{1}{4}$	2) $\frac{1}{3} \times \frac{3}{4}$	3) $\frac{2}{5} \times \frac{1}{2}$	4) $\frac{3}{5} \times \frac{4}{9}$
5) $\frac{1}{3}$ OF 15	6) $\frac{2}{9} \times \frac{3}{16}$	7) $16 \times \frac{3}{4}$	8) $\frac{16}{21} \times \frac{21}{16}$
9) $\frac{3}{4} \times \frac{5}{6} \times \frac{4}{7}$	10) $\frac{2}{5} \times \frac{3}{8} \times \frac{5}{9}$	11) $1\frac{1}{2} \times 1\frac{1}{3}$	12) $14 \times 2\frac{3}{7}$
13) $2\frac{1}{4} \times 4\frac{4}{9}$	14) $5\frac{1}{3} \times 2\frac{1}{7}$	15) $6\frac{3}{4} \times 6$	16) $2\frac{1}{12} \times 2\frac{4}{5}$
17) $3\frac{1}{4} \times 4\frac{2}{3}$	18) $1\frac{5}{6} \times 1\frac{7}{9}$	19) $1\frac{2}{3} \times 1\frac{1}{7} \times 2\frac{4}{5}$	20) $4\frac{1}{6} \times 1\frac{3}{5} \times \frac{3}{10}$

FRACTIONS 2 - TEST B

21) $\frac{2}{3} \div \frac{1}{3}$

22) $\frac{5}{6} \div \frac{1}{6}$

23) $6 \div \frac{1}{2}$

24) $3\frac{1}{2} \div \frac{7}{8}$

25) $\frac{2}{3} \div \frac{4}{9}$

26) $11\frac{3}{4} \div \frac{1}{4}$

27) $\frac{4}{9} \div \frac{2}{3}$

28) $8\frac{3}{5} \div \frac{2}{5}$

29) $5\frac{1}{3} \div 4$

30) $9\frac{5}{6} \div \frac{1}{3}$

31) $\frac{2}{7} \div 2\frac{2}{3}$

32) $1\frac{2}{7} \div 4\frac{1}{3}$

33) $5\frac{3}{4} \div 3\frac{3}{4}$

34) $2\frac{1}{2} \div 3\frac{2}{3}$

35) $1\frac{1}{3} \div \frac{2}{9}$

36) $12 \div 6\frac{6}{7}$

37) $3\frac{5}{8} \div 5\frac{3}{4}$

38) $9\frac{3}{8} \div 8\frac{1}{3}$

39) $3\frac{3}{5} \div 9$

40) $6\frac{7}{8} \div 1\frac{4}{7}$

WHOLE NUMBERS - TEST A

Name Key, Pg TBS1

Date

1) 575	2) 1736	3) 983	4) 369
5) 1098	6) 1867	7) 385	8) 10,710
9) 73	10) 268	11) 1189	12) 5427
13) 80	14) 4993	15) 438	16) 196
17) 85	18) 42	19) 116	20) 5600

TBS1

WHOLE NUMBERS - TEST A

Key, Pg TBS2

21) 6055	22) 1824	23) 8550	24) 450
25) 3570	26) 26,085	27) 18,172	28) 2494
29) 9 R 7	30) 7 R 6	31) 131	32) 13,882 R 3
33) 89 R 3	34) 60 R 1	35) 89 R 3	36) 105 R 5
37) 8 R 23	38) 6 R 21	39) 89 R 40	40) 66 R 32

TBS2

WHOLE NUMBERS - TEST B

Name Key, Pg TBS3

Date Period

1) 583	2) 1518	3) 923	4) 338
5) 1184	6) 1839	7) 334	8) 9393
9) 76	10) 167	11) 2169	12) 6417
13) 40	14) 3995	15) 659	16) 597
17) 80	18) 52	19) 114	20) 4800

TBS3

WHOLE NUMBERS - TEST B

Key, Pg TBS4

21) 1516	22) 5642	23) 3840	24) 375
25) 2891	26) 66,284	27) 52,455	28) 3570
29) 5 R 1	30) 7 R 7	31) 261	32) 13,328 R 3
33) 89 R 2	34) 90 R 2	35) 48 R 2	36) 101 R 2
37) 7 R 15	38) 9 R 12	39) 56 R 18	40) 83 R 60

TBS4

DECIMALS - TEST A

Name: Key, Pg TBS5
Date__________ Period________

1) 6.5	2) 12.3	3) 8.46	4) 10.1
5) 62.2	6) 4.02	7) 9.443	8) 2.1
9) 7.707	10) 11.25	11) .3	12) .8
13) .66	14) .68	15) 1.7	16) 4.75
17) 4.26	18) 7.5	19) .0352	20) [illegible]6

TBS5

DECIMALS - TEST A

Key, Pg TBS6

21) 2.5	22) 18.84	23) 4.8	24) 7.11
25) .0589	26) 2.553	27) .6935	28) .0384
29) 14.1372	30) 17.6229	31) 2.23	32) 3.6
33) 4.03	34) .006	35) .6	36) .75
37) 1.9	38) .13	39) 2.65	40) 8300

TBS6

DECIMALS - TEST B

Name: Key, Pg TBS7
Date__________ Period________

1) 8.7	2) 16.3	3) 7.54	4) 12.1
5) 66.4	6) 5.04	7) 8.342	8) 2.2
9) 5.505	10) 9.25	11) .6	12) .5
13) .76	14) .73	15) 1.3	16) 7.55
17) 4.37	18) 5.6	19) .0363	20) .03

TBS7

DECIMALS - TEST B

Key, Pg TBS8

21) 4.9	22) 25.92	23) 5.6 (5.60)	24) 5.76
25) .0738	26) 28.12	27) .6862	28) .0364
29) 10.9956 (10.99560)	30) 17.0392	31) 3.12	32) 3.8
33) 12.08	34) 8.9	35) .2	36) .007
37) 5.4	38) 7.5	39) .59	40) 7700

TBS8

FRACTIONS 1 - TEST A

Name Key, Pg TBS9

Date__________ Period________

1) $\frac{4}{5}$	2) $\frac{4}{5}$
3) $\frac{1}{3}$	4) $\frac{1}{2}$
5) $2\frac{2}{3}$	6) $3\frac{3}{4}$
7) $3\frac{1}{7}$	8) $15\frac{1}{6}$
9) $\frac{5}{2}$	10) $\frac{16}{3}$
11) $\frac{44}{7}$	12) $\frac{75}{8}$

13) $\frac{5}{7}$	14) $\frac{3}{4}$	15) $1\frac{1}{3}$	16) 1
17) $10\frac{6}{11}$	18) $13\frac{1}{4}$	19) $\frac{3}{4}$	20) $\frac{7}{10}$

FRACTIONS 1 - TEST A

Key, Pg TBS10

21) $\frac{1}{8}$	22) 6	23) $13\frac{23}{24}$	24) $7\frac{1}{6}$
25) $9\frac{3}{4}$	26) $11\frac{2}{3}$	27) $\frac{2}{9}$	28) $\frac{1}{4}$
29) $\frac{1}{3}$	30) $7\frac{7}{12}$	31) $\frac{1}{6}$	32) $4\frac{1}{4}$
33) $3\frac{7}{8}$	34) $4\frac{1}{3}$	35) $2\frac{1}{2}$	36) $2\frac{8}{15}$
37) $6\frac{9}{13}$	38) 2	39) $9\frac{2}{3}$	40) $3\frac{19}{30}$

FRACTIONS 1 - TEST B

Name Key, Pg TBS11

Date__________ Period________

1) $\frac{3}{5}$	2) $\frac{4}{7}$
3) $\frac{1}{2}$	4) $\frac{1}{3}$
5) $3\frac{1}{7}$	6) $4\frac{1}{4}$
7) $3\frac{5}{7}$	8) $13\frac{2}{7}$
9) $\frac{7}{2}$	10) $\frac{16}{5}$
11) $\frac{38}{7}$	12) $\frac{68}{9}$

13) $\frac{6}{11}$	14) $\frac{1}{2}$	15) $1\frac{2}{5}$	16) 1
17) $8\frac{4}{5}$	18) $13\frac{1}{3}$	19) $\frac{1}{2}$	20) $\frac{9}{10}$

FRACTIONS 1 - TEST B

Key, Pg TBS12

21) $1\frac{1}{8}$	22) 5	23) $9\frac{13}{24}$	24) $9\frac{1}{6}$
25) $8\frac{2}{3}$	26) $12\frac{1}{3}$	27) $\frac{4}{7}$	28) $\frac{1}{4}$
29) $\frac{1}{4}$	30) $6\frac{7}{12}$	31) $\frac{1}{10}$	32) $5\frac{3}{4}$
33) $3\frac{4}{5}$	34) $4\frac{1}{2}$	35) $4\frac{5}{8}$	36) $3\frac{7}{12}$
37) $3\frac{3}{14}$	38) 4	39) $89\frac{1}{3}$	40) $1\frac{23}{30}$

FRACTIONS 2 TEST A

Name Key, Pg TBS 13

Date_______________ Period________

1) $\frac{1}{4}$	2) $\frac{1}{5}$	3) $\frac{1}{3}$	4) $\frac{5}{12}$
5) 5	6) $\frac{1}{12}$	7) 8	8) 1
9) $\frac{1}{3}$	10) $\frac{2}{21}$	11) 8	12) 58
13) 11	14) $19\frac{4}{5}$	15) $18\frac{1}{2}$	16) $17\frac{1}{2}$
17) $34\frac{6}{7}$	18) $62\frac{5}{11}$	19) $1\frac{1}{8}$	20) $3\frac{3}{10}$

TBS13

FRACTIONS 2 TEST A

Key, Pg TBS 14

21) 2	22) 3	23) 8	24) 44
25) $2\frac{1}{2}$	26) $15\frac{3}{10}$	27) $\frac{2}{5}$	28) $12\frac{1}{2}$
29) $1\frac{1}{5}$	30) 74	31) $2\frac{11}{12}$	32) 2
33) 2	34) $1\frac{7}{15}$	35) $\frac{1}{4}$	36) $2\frac{5}{8}$
37) $1\frac{25}{26}$	38) $\frac{6}{19}$	39) $9\frac{1}{3}$	40) $2\frac{17}{20}$

TBS14

FRACTIONS 2 - TEST B

Name Key, Pg TBS 15

Date_______________ Period________

1) $\frac{1}{8}$	2) $\frac{1}{4}$	3) $\frac{1}{5}$	4) $\frac{4}{15}$
5) 5	6) $\frac{1}{24}$	7) 12	8) 1
9) $\frac{5}{14}$	10) $\frac{1}{12}$	11) 2	12) 54
13) 10	14) $11\frac{3}{7}$	15) $40\frac{1}{2}$	16) $5\frac{5}{6}$
17) $15\frac{1}{6}$	18) $3\frac{7}{27}$	19) $5\frac{1}{3}$	20) 2

TBS15

FRACTIONS 2 - TEST B

Key, Pg TBS 16

21) 2	22) 5	23) 12	24) 4
25) $1\frac{1}{2}$	26) 47	27) $\frac{2}{3}$	28) $21\frac{1}{2}$
29) $1\frac{1}{3}$	30) $29\frac{1}{2}$	31) $\frac{3}{28}$	32) $\frac{27}{91}$
33) $1\frac{8}{15}$	34) $\frac{15}{22}$	35) 6	36) $1\frac{3}{4}$
37) $\frac{29}{46}$	38) $1\frac{1}{8}$	39) $\frac{2}{5}$	40) $4\frac{3}{8}$

TBS16

BEST COPY AVAILABLE

APPENDIX B

Bibliography

The lists on the following pages contain the names of books, audio-visual materials, government publications, etc. which have been used by the Pacoima staff in teaching *This Is Your Life*. There are, of course, many other excellent materials available which would work equally well, and new publications are continually appearing.

Entries preceded by # are used in the Basic Skills Practice Puzzle Sequence.

SHOPPER'S GUIDE TO RESOURCE MATERIALS

A. BOOKS

# Clack, Alice and Carol Leitch. *Mathamerica*, Volumes I, II. Troy, Mich.: Midwest Publications, 1975.

Hestwood, Diana et al. *Crossnumber Puzzles*, Books 1 and 2. Palo Alto, Calif.: Creative Publications, 1972.

Marcy, Steve and Janis Marcy. *Mathimagination*, Books A, B, C, D, E. Palo Alto, Calif.: Creative Publications, 1973.

Marcy, Steve and Janis Marcy. *Pre-Algebra with PIZZAZZ!* Palo Alto, Calif.: Creative Publications, 1978.

Silvani, Harold. *Mr. Math, Famous Athletes Number Puzzles*. Fresno, Calif.: Creative Teaching Associates, 1974.

Silvani, Harold. *Mr. Math, Famous People Number Puzzles*. Fresno, Calif.: Creative Teaching Associates, 1971.

Silvani, Harold. *Mr. Math, Famous People - Women*. Fresno, Calif.: Creative Teaching Associates, 1975.

Silvani, Harold, *Mr. Math, Famous Places and Events*. Fresno, Calif.: Creative Teaching Associates, 1971.

Swienciki, Lawrence W. *Adventures in Arithmetic, Deciamls, Fractions*. Fresno, Calif.: Creative Publications, 1974.

B. UNITED STATE GOVERNMENT PUBLICATIONS

The following materials may often be obtained directly from your local Federal offices. (HEW, Labor Department, Internal Revenue) They may also be ordered from:

Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

1. Books, Periodicals

Understanding taxes, Student Edition and Teachers' Guide.

2. Pamphlets

Applying for a Social Security Number. DHEW No. (SSA)74-10064, April 1974.

Four, E.G. DHEW No. (SSA)73-10675, January 1973.

Help, I'm a Number. DHEW No. (SSA)72-10049, June 1972.

3. Forms

Application for Social Security. Form SS-5 (English), form SS-5PR (Spanish).

Individual Income Tax Return. Short Form 1040A.

C. FILM

The Money Tree. Hollywood, Calif.: Hanna-Barbera Productions Inc., 1971.

D. FREE MATERIALS

Classroom sets of the following materials should be obtained from local community sources. These are a must, and they should be kept up-to-date!

Mail order catalogs.

Maps: community, state, national.

Newspaper classified advertising sections.

APPENDIX C

Implementation Checklist

You Probably Want to Ask

Demonstration Program Highlights

Demonstration Program Staff

IMPLEMENTATION CHECKLIST FOR TEACHER

Before the school year begins, reserve or order:

_________ditto paper (1/2 ream per student), ditto fluid, projection transparency film

_________file folders, 1 per student, (needed school week 1)

_________overhead projector, (school week 1)

_________social security applications, (school week 2)

_________public transportation schedules, (school week 3)

_________mail order catalogs, (school week 4)

_________assorted drugstore and grocery items, (school week 5)

_________telephone directories, (school week 6)

_________class set of rulers, tape measures, (school week 9)

_________class set of scissors, glue, (school week 13)

_________1/4" graph paper, (school week 13)

_________construction paper - assorted colors, (school week 13)

_________class set of dictionaries, (school week 18)

_________1040A U.S. Individual income tax return from post office, (school week 22)

_________class set of local city maps, (school week 36)

At the beginning of the year, duplicate and/or sort into class sets:

_________individualized math materials, (school week 1)

_________first two weeks' worksheets from "Payday", (school week 2, 3)

_________first Payday Packet, 1 per student (see Payday Introduction), (school week 4)

_________class set of Payday Chance Cards.

OPTIONAL MATERIALS:

________ pamphlets, books, filmstrips and films from local Society Security Office, (school week 2)

________ job application from a local department store, (school week 3)

________ forms to open savings and checking accounts from a local bank, (school week 3

________ savings deposit and withdrawal slips from a local bank, (school week 18)

________ educational federal income tax materials from post office, (school week 22)

________ loan application from a local bank, (school week 27)

________ gas credit application from a major gasoline company, (school week 31)

________ lease application from a local apartment building. (school week 38)

During the year, duplicate additional worksheets in advance of need, and have them accessible to your classroom. (see weekly lesson plans)

YOU PROBABLY WANT TO ASK - - - - -

I can't do all of this now - which unit can I try this semester with my class?

"Shopping," "Facelift," "Banking," "Wheels for Real," and "Spring Vacation" can be used independently, as long as the money to be spent by the pupils is just decided upon, instead of being the result of budgeting.

For what age group is This Is Your Life best suited?

We use it in ninth grade where pupils are usually 14 or 15; tenth grade is an equally effective time. While we believe schools should not wait until 11th or 12th grade for such practical arithmetic, the content is appropriate even for young adults who haven't acquired these understandings. For schools which end at grade 8 and need practical arithmetic applications, the worksheets and ideas would be helpful. However, we urge caution in trying the life simulation for pupils younger than 14 - the interest in being grown-up just might not be there yet!

Shouldn't academic pupils also get some of the learning incorporated in This Is Your Life?

This Is Your Life has been used successfully as an elective for 10th - 12th grade college-bound students who need a few more math credits and who don't want abstract mathematics beyond algebra or geometry. Of course, the basic skill math sequence must be changed to fit the students. It would be very helpful to investigate college expenses with these students (including scholarships).

What will this curriculum cost?

Exact answers are obviously impossible, because of fluctuating prices of duplicator paper. First check carefully to see what is already available at your school in the way of thermofax machine, ditto machine and overhead projectors. Nearby schools, colleges or central resource centers may also have available materials. If you wish to use our math sequence you will need to purchase some materials. After borrowing or purchasing the initial resource materials, the operating cost of *This Is Your Life* is less than the cost of half a ream of paper per pupil per year! Figure the price of a ditto master and a class set of worksheets as noted at the bottom of each week's lesson plans. Some clerical time from your school staff or a volunteer would be helpful to prepare the worksheets in advance. This curriculum costs far less than a set of consumable work books, or a set of hard-cover textbooks which are worn out, lost or obsolete in a few years.

What is the biggest drawback to using This Is Your Life?

The amount of work the teacher has to do. Checking pupil work when it is virtually all different is time consuming. Also, materials have to be obtained and prepared in advance, and careful classroom management is imperative. Conducting the class demands much more from a teacher than does instructing from a standard textbook.

How do you expect a regular teacher to have time to organize all these extra materials?

The support of your school administration and at least one interested colleague to share the workload is essential. Try to have at least two classes of *This Is Your Life* taught by two (or more) teachers who would be willing (and able) to work together. It is also helpful to run off the material at least one week ahead of time or during the summer. The use of a wall chart for the math sequence can be very helpful.

How can I possible check all these different "Expense Records," etc.?

Involve pupils as much as possible. Insist on having individual expense records balance each payday. Use small calculators for checking, or have pupils exchange work to look for mistakes. All of these are techniques for minimizing teacher paper work. A regular classroom aide is worth his or her weight in gold, or course. Your top pupils may also be promoted to assistant or supervisory positions.

How do you grade this class?

This Is Your Life includes tests in both basic skills and tests for each unit. Expense records are another constant source of materials for evaluation. Progress in basic skills on an individualized program can also receive a mark, as could a series of small quizzes based on the kinds of arithmetic in the current or recent lesson material. All pupil worksheets can be graded on accuracy and completeness. Each unit's mark can be based on worksheets and participation. This curriculum may easily be used on a pass-fail basis also.

How can I manage Payday records and other cumulative materials so that they are not lost.

Use file folders of some kind for each pupil, and have them available for the students at the beginning of each class. (Note: these folders stay in the classroom.) Staple together a Payday packet consisting of one "Salary Record," one "Savings Account," and ten "Record of Expense" forms (printed on both sides of the paper for economy). This will suffice for 10 weeks of Payday.

Don't pupils become bored with Payday every Friday?

Generally no, because it is constantly changing and the savings accounts are growing. Also, pupils know that they can get more done on their math skills assignments if they finish early. If you are not bored, the pupils won't be either. The Miscellaneous Expense item can be used to "spice up" Payday by giving a bonus, etc. "Payday" might become a twice-monthly exercise for more mature classes, who also might graduate to a monthly salary at the end of the year.

How do you justify spending so much time in a math class on non-math activities, especially when the pupils involved already may be seriously low in skills and also slow learners?

Cramming even more math into reluctant learners usually does not work, while having them experience the usefulness of arithmetic seems to inspire interest in learning the essential basic skills. Often, basic general math at the ninth grade level and above is only a 20-week course. *This Is Your Life* covers 40 weeks, with plenty of time for the most essential and practical arithmetic skills. Students who recognize the need for more math knowledge can elect Business, Shop, Consumer or High School Math or even Algebra the next year.

How does Pacoima cover the basics?

The basic math skills can be taught from any fundamental arithmetic book available, but we sincerely advocate that they be individualized or self-paced. We use ditto copies of puzzle pages because we feel they are more attractive and suitable for flexible usage and are very easy to check. The puzzles can be stapled in packets of ten and kept in the student folder. This allows the student immediate access to his basic skill sequence. Any regular commercially published individualized math program would do as well. When a specific skill is needed in a *This Is Your Life* activity, it is reviewed and re-taught. (See Lesson Plans).

How do you deal with pupil who is continually absent several days a week?

Usually our chronic absentees miss Fridays and Mondays, so they simply are dropped from the regular Payday activities. They do as much of the other units as possible, and work on individualized basic arithmetic practice when participation in classwork activities is not practical.

On the days (or weeks) you have left blank, what should be done?

Use this time for tests, for individualized arithmetic lessons, for classroom review of arithmetic processes needed in the current or next unit, or for finishing *This Is Your Life* lessons missed due to absences. Do not hurry into the next week's lesson. School assemblies also use up class-time.

I absolutely cannot get the big catalogs you use. Whan can I do now?

Did you try going to the top management level or the advertising manager of the nearest regional office of the largest mail order department store near you? Ask the manger for a class set of last year's out-of-date catalogs. Plan ahead; your best chance is when the new catalogs come out. Also, remember that the major stores have two catalogs - one for spring and one for fall. Individual stores truly may not be able to afford supplying you with the number you need. Smaller sales catalogs are not nearly so good, but they are surely better than nothing. The seasonal sale booklets of large department stores would work for some lessons. Also, check your local PTA, fraternal, business and social organizations who might have members who could help obtain catalogs. Bribing your class with a $25 miscellaneous bonus on Payday will bring in some catalogs.

DEMONSTRATION PROGRAM HIGHLIGHTS

PACOIMA JUNIOR HIGH SCHOOL

School enrollment: Approximately 1900, including two Magnet Schools. Eighty five percent Hispanic and other ethnic minority students.

Program enrollment: Approximately 580 in one grade level, excluding non-English speaking and educationally handicapped students who have their own special programs.

Class Size: 30 students with one teacher and one teacher assistant.

Program Design: Every third year, the Demonstration Program impacts an entire incoming seventh grade class. The same group continues in the program for three years, through grades seven, eight and nine. Students are heterogeneously grouped, with the exception of the eighth and ninth grade elective choices of Pre-algebra, Algebra and Geometry.

Learning Center: The seventh grade program emphasizes intensive individualized remediation and motivation for students who are markedly below grade level in whole number computation. Grade eight continues this emphasis as necessary for students new to the program, and provides tutorial assistance and computer assisted skill drills for students as needed in all the basic computation skills. In the ninth grade program, the Learning Center provides individualized help at all skill levels on referral or student request. In addition, every student will have appropriate computer literacy experiences.

Funding: Funded by the California State Department of Education, Exemplary Programs Branch. Per student operating cost is about $190.00 per year in addition to regular Los Angeles Unified School District funding.

Funding Criteria: Demonstration schools must serve a population containing educationally disadvantaged students whose entering achievement scores place them more than one year below grade level. Pacoima students average below grade 4.0 at the beginning of grade 7 in both reading and mathematics achievement. Students are pre- and post-tested each year for achievement growth. This is compared to cost to obtain a cost-effectiveness ratio. The least effective Demonstration Programs are terminated each year. Pacoima has been funded continuously since 1967, with consistent achievement gains better than 2.5 months for each one month of instruction.

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